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Intercom

INFORMING THE PENN STATE COMMUNITY

JULY 12, 2001

Access programs join educational equity office

By ANNEMARIE MOUNTZ
Public Information

The University's 10 Academic Assistance Programs (AAP) are getting a new home. Effective July 1, the University's TRIO programs, along with the College Assistance Migrant Program and the Comprehensive

Studies Program, left the Office of the Vice Provost of Undergraduate Education to become part of the Office of the Vice Provost for Educational Equity.

Cathleen Love, associate dean and executive director of AAP, continues to oversee the programs. She, too, has moved from Undergraduate Education and is now asso-

ciate vice provost for educational equity in the Office of the Vice Provost for Educational Equity. Roughly 50 employees also changed reporting lines and now fall under the Office of the Vice Provost for Educational Equity.

"This fits in many ways with what we are trying to do, which is to mainstream the Uni-

versity's diversity efforts," said Terrell Jones, vice provost for educational equity. "These programs provide access to higher education to populations that traditionally have difficulty in accessing higher education."

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FOSTERING DIVERSITY

Commission marks milestone, looks to build on progress

By JULIE A. BRINK
Public Information

This fall, the Commission on Lesbian, Gay, Bisexual and Transgender Equity marks 10 years as an organization at the University.

As the group's chair, Tramble T. Turner, associate professor of English at Penn State Abington, is looking forward to celebrating that milestone. Founded in 1991, the organization is an advisory group to the University president. The official roster is 30 members, representing students, faculty, staff and administration.

Vice Provost for Educational Equality Terrell Jones observed that many of the commission's issues relate to climate, to developing an inclusive atmosphere on campus that allows diverse groups to participate fully.

"They can be part of the University without fear of discrimination," he said.

Turner said he joined the organization last summer because he was aware of the "very significant work that the commission has done over the years." He noted that he was "impressed with the overall change in climate of the University having taught there (University Park) from 1987 to 1989 when the climate was somewhat different."

In the past, he's served as a member of the Lesbian Gay Bisexual Transgender Support Network and he was a founding member of the Lesbian and Gay Faculty Senate Caucus.

Neill Johnson, associate director of the Center for Excellence in Learning and Teaching, is the outgoing chair.

"I think we're very fortunate to have as our incoming chair a faculty member at a location other than University Park and somebody who has some experience and contacts on the Faculty Senate," he said.

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Tramble T. Turner, associate professor of English at Penn State Abington, is the new chair of the Commission on Lesbian, Gay, Bisexual and Transgender Equity.

State budget gives University small increase

By ANNEMARIE MOUNTZ
Public Information

The final figures for Penn State in the Pennsylvania state budget, signed into law on June 22 by Gov. Tom Ridge, are higher than the proposed figures released in February, but still fall short of what the University requested.

The budget appropriates \$334.8 million to the University. The result is an overall increase of 0.86 percent over last year's appropriation, a figure well below the 4.25 percent base state appropriation increase sought by the University. Still, the University has reason to be upbeat.

"We are pleased with the outcome of our appropriations, given the modest funding available for higher education this year from the Commonwealth," said President Graham B. Spanier. "We ended up with \$812,000 more than the governor's original recommendation."

The additional funds are targeted for the School of Information Sciences and Technology.

Nevertheless, the budget shortfall is significant for the University.

"It is always a challenge to make the strongest case possible for our appropriation, and this year was no different in that respect," said Spanier. "Given that our

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Budget

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overall increase in our total appropriation was less than 1 percent, we will have to take that into account in deciding the amount of the tuition increase. We are absolutely committed to keeping the increase as low as possible while still maintaining the quality of our educational services."

Spanier said he is hopeful that the increase will not be substantially higher than anticipated earlier this year. Final numbers will be prepared in time for the Board of Trustees meeting July 16-17.

Separate from the main budget — and significant in its own right — is the benefit the University will gain under the disbursement of the tobacco settlement money.

"This is the most dramatic initiative to improve Pennsylvania's health in the history of our state," said Ridge.

Nineteen percent of the settlement money — more than \$66 million in the first year — goes to university and medical institute research statewide.

In the final version of the distribution, Penn State will receive \$7.4 million next year.

"I want to applaud the efforts of our Governmental Affairs team — Rich DiEugenio, Tony Wagner and Ann Mentzer — on the work they did to secure this funding," said Spanier. "Working with Vice President for Research Eva Pell, Senior Vice President Darrell Kirch and me, they implemented a lobbying strategy that greatly increased Penn State's allocation in the face of strong advocacy from other constituencies. As a result, there will be some additional funds

Penn College board approves 2001-02 budget and fees

The Pennsylvania College of Technology Board of Directors on June 21 approved a \$55.8 million operating budget and established tuition rates and related fees for the 2001-02 academic year.

The \$55.8 million operating budget represents a 6.6 percent increase over 2000-01. The total appropriation, coming to Penn College through the Penn State Board, is \$12.9 million for 2001-02, a decrease of \$1.6 million (11.2 percent).

The Unrestricted Current Funds budget, which includes the operating budget plus the Auxiliary, Unrestricted Scholarship, Gifts and Donations, Use of College Resources, Parking Permit, and Renewal and Replacement budgets, is \$67.7 million — a decrease of 4.5 percent from 2000-01. The decrease is due primarily to the reduced state appropriation.

In 2000-01, the state contributed more than \$14.5 million to the operating budget, including a \$1.6 million additional appropriation to support equipment purchases for technology education and work force development. Penn College President Davie Jane Gilmour said the college had hoped the additional support would have been continued for more than one year.

"This funding change will impact our ability to accomplish our work in the coming year," Gilmour said. "With a need to reduce our operating budget by \$1.6 million, we were faced with two options: raise tuition by more than 6.5 percent or cut some of our planned expenditures. We have chosen to cut costs."

Gilmour said keeping students' tuition increase below 5 percent and maintaining the integrity of their educational experience were the goals driving the process as the budget cuts were decided.

for research and patient support for our College of Medicine, our Milton S. Hershey Medical Center and the Life Sciences at both University Park and Hershey."

The tobacco agreement also includes the groundbreaking Life Sciences Greenhouse initiative Ridge announced in February. The Greenhouse initiative will help to spur the discovery and delivery of new life-saving

medical treatments to patients around the world. Although figures are not yet finalized, the University is expected to receive as much as one-third of that funding.

"I believe our investments in growing Pennsylvania's already world-class biotechnology infrastructure may prove to be the best thing we have done in this great plan, both to improve our health, and to improve

Adjusted expenditures will fall into the categories of community outreach, work force development and facility improvement, Gilmour said.

For the first time in many years, the administration will defer maintenance on facilities and reduce facility renovations in a number of areas on campus. The president stated that construction of the new Student and Administrative Services Center will continue as planned, but some projects to update and improve existing facilities will be delayed. Construction projects currently under way and in the planning stages are not part of the 2001-02 budget, as they are funded by bond proceeds.

For Pennsylvania residents, who account for 94 percent of the total student population at Penn College, tuition will increase \$10.60 per credit hour (4.8 percent) to \$233 per credit hour in 2001-02. Adding the fees that are assessed on a pre-credit-hour basis for computer and lab use and student activities, an in-state student at Penn College will pay \$262 per credit hour — 5.9 percent more than this year. For a Pennsylvania resident carrying a typical 15-credit-hour-per-semester course load over two semesters, this translates into a tuition increase of \$318 (to \$6,990); with added fees, the increase will be \$438 (to \$7,860).

Tuition for an out-of-state resident will increase \$36.10 per credit hour (13.5 percent) to \$303 per credit hour. Adding the related fees, a nonresident will pay \$410.10 more per credit hour (\$532) — a 13.7 percent increase over 2001-02. For an out-of-state student carrying a 15-credit-hour load over both semesters, this translates into a tuition increase of \$1,083 (to \$9,050) or \$1,203 (to \$9,950) for tuition plus related fees.

our economy," Ridge said.

According to Kirch, money from the tobacco settlement will support a wide variety of research, from cancer research and continued development of artificial organs to leading-edge sciences such as genomics.

Annamarie Mountz can be reached at AMountz@psu.edu.

Fostering Diversity

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Turner's term as commission chair runs from July 1 through June 30, 2002. His goals include building on the work that recent past chairs have done; identifying and working on new projects; and working with the Commission For Women and the Commission on Racial/Ethnic Diversity to identify shared interests.

Turner, who will be consulting from Abington to discharge his responsibilities, said he looks forward to helping the University facilitate a healthy dialogue on lesbian, gay, bisexual and transgender issues within the commonwealth. He hopes to draw more student voices into the commission and praised Neil Johnson's work during the past year in that regard.

"I look forward to having more chances to meet students at University Park, having been very impressed with the integrity and energy of those students involved with the commission during the past year," he said.

Turner said he's encouraged by recent happenings on campus. He pointed to the

Black Caucus's occupation of the HUB-Robeson Cultural Center this spring as an example, noting that due to that event, a broad dialogue on issues and concerns of lesbian, gay, bisexual and transgender students occurred within the group, which dubbed itself The Village. He said he hopes it will assist in building an improved climate for student, faculty and staff in underrepresented groups.

"If they feel more comfortable, they'll be easier to recruit," he said.

Turner praised student involvement in such issues, crediting the efforts of Jennifer Storm who participated in the dialogue during the HUB occupation, and the work of Jacqueline Wade who helped form Undertones, a new student group focused on the concerns of students of color within the lesbian, gay, bisexual, transgender community.

Undertones joins a number of other liaison groups available to those within the University community interested in gender

and sexuality issues, such as the LGBT Support Network. The network encourages supportive persons to prominently identify themselves by displaying a poster or wearing a pin that denotes them as a member.

"The goal of the program," Turner said, "is to provide a more hospitable environment, to establish a network of support and a safe haven." It is open to those of all sexual orientations. Membership information is available at (814) 863-7696.

Many issues relating to diversity remain to be confronted both on a national and University level, he said, but "I think it's false to isolate discussion within the University community from the statewide and the national discussion."

However, on a University level, Turner noted that the increasing number of international students and initiatives to study abroad has had an effect on lesbian, gay, bisexual and transgender individuals in terms of their international partners and

the resulting issues associated with U.S. immigration law.

Another issue that Turner expects the commission to confront is the delayed commission resource center.

Planned for an opening in the 2001-2002 academic year, the center will be a suite of offices located in the Boucke Building. The plan for the center has gone through several discussions, delays and revisions within the University, he said.

"We have great hopes for the planned establishment of a new Lesbian Gay Bisexual Transgender Resource Center and we hope that it will come to fruition and that various student concerns will be more fully considered in that planning," he said.

Turner, who just returned from a conference on Irish studies in New York City, has delivered three papers in the past year on the writings of Colm Tóibín, Ireland's foremost gay novelist.

Julie A. Brink can be reached at jab81@psu.edu.

Power Lion roars to ninth place in FutureTruck Challenge competition

Penn State's Power Lion, a hybrid electric 2000 model Chevrolet Suburban re-engineered by students from the Society of Automotive Engineers at the Pennsylvania Transportation Institute, won or placed in several categories in the recent FutureTruck Challenge at the General Motors Proving Ground in Milford, Mich.

Penn State ranked ninth overall in the competition and the University also was recognized for its innovative achievement in the area of tailpipe emissions of the diesel teams that participated in the challenge.

The team received second place in the Cisco Telematics Award competition. The Cisco award honors excellence in systems

and information management, meeting the needs of the driver and passengers and the ability to transfer information to and from the vehicle via wireless methods.

Nearly 40 students worked on the Power Lion with 23 people attending the challenge.

Contestants in the annual FutureTruck Challenge re-engineer a chosen vehicle

while keeping the same performance, utility, safety and affordability consumers seek. This year the competition involved more than 250 students from 15 proposal-selected North American universities.

Complete results are posted on the organization's Web site at <http://www.futuretruck.org/competition/2001winners.html>

Programs

Continued from page 1

Love also is happy about the move. "One of my goals is to make sure the entire academic community understands the unique challenges our students have, that faculty see them as very capable and that they work with the students so that they can be successful. This move gives these programs more visibility, which will help us to educate the University community about them."

Love said that the move also provides opportunities for more collaboration with offices under the Vice Provost for Educational Equity such as the Office of Disability Services and the Multicultural Resource Center.

"Now we are going to be under the same umbrella, it will be easier for us to coordinate our efforts," she said.

According to Jones, the process that resulted in this move was not a recent happening.

"We have been discussing for a while how to give these programs a higher profile and to make sure that faculty, staff and students realize the many benefits these programs provide to the University's students and to society in general. Moving them here strengthens them by making them more visible. It also strengthens this office by giving us some powerful tools to help students succeed."

The programs are mostly federally funded programs, with some state funding provided for one program. In all, the programs receive about \$2.7 million a year in funding. Some of the programs have been at the University for two or three decades.

"Although they are grant programs, they're about as permanent as grant programs can get," said Jones.

TRIO programs were established by Congress to help low-income Americans enter college, graduate and move on to participate more fully in America's economic and social life. These programs are funded under Title IV of the Higher Education Act of 1965. More than 1,200 colleges, universities, community colleges and agencies now offer TRIO Programs in America.

TRIO funds are distributed to institutions through competitive grants. While student financial aid programs help students overcome financial barriers to higher education, TRIO programs help students overcome class, social and cultural barriers to higher

Academic Advancement Programs

The following programs have moved from the Office of Undergraduate Education to the Office of the Vice Provost for Educational Equity. For more information about the programs, check the Web at <http://www.psu.edu/ouic/test/index.html>.

■ **College Assistance Migrant Program (CAMP):** This is a freshman-year program offering academic and financial support to dependents of migrant and seasonal farm workers. This is not a TRIO program.

■ **Comprehensive Studies Program (CSA):** This program is designed to develop the basic academic skills of students and selected veterans who enter the University through the Educational Opportunity Program. Because it is funded by the state, it is limited to helping only residents of Pennsylvania.

■ **Educational Opportunity Center — Philadelphia; and Educational Opportunity Center — Pittsburgh (EOC):** These centers assist low-income adults age 19 and older in completing the admissions and financial aid processes to enroll in postsecondary education.

■ **Project Upward Bound:** This program helps disadvantaged high school students gain the skills and motivation necessary to succeed in postsecondary education.

■ **Upward Bound Math and Science:** The purpose of this program is to influence more students from disadvantaged backgrounds to pursue math- and science-related careers.

■ **Ronald E. McNair Post-Baccalaureate Achievement Program:** This program provides assistance to low-income, first-generation college students, and students from groups underrepresented in graduate education for doctoral study.

■ **Student Support Services (SSS):** This program helps to increase college retention and graduation rates of eligible, low-income, first-generation students enrolled at University Park.

■ **The Talent Search Program:** This program identifies low-income, potential first-generation college students in grades seven through 12 with potential for postsecondary education, encourages them to continue and graduate from secondary school and to enroll in programs of postsecondary education. It also encourages high school dropouts to complete their secondary education.

■ **Penn State TRIO Training Institute:** This program provides training designed for professionals in Student Support Services and Ronald E. McNair programs, including directors, coordinators, mentors, counselors, tutors and faculty. The two-day intensive training includes opportunities to explore topics essential for both SSS and McNair programs with faculty chosen for their expertise in both programs.

education. All of the programs have very high success rates, and are central to the University's diversity efforts.

The University's Academic Assistance Programs, including its TRIO programs, are access programs that provide an opportunity to include in the University population students who in many cases are first-generation

college students.

"That's an important point," said Love. "These programs are designed to help anyone who is low-income and/or first-generation. They are mandated to assist all students who are economically challenged, first-generation college students regardless of race or ethnicity."

According to the Council for Opportunity in Education, 39 percent of TRIO students nationwide are white, 36 percent are African American, 16 percent are Hispanic, 5 percent are Native American and 4 percent are Asian-American. In addition, 16,000 TRIO students have disabilities. The council is a nonprofit organization dedicated to furthering the expansion of educational opportunities throughout the United States. The council works in conjunction with colleges, universities and agencies that are hosts to TRIO Programs to help low-income Americans enter college and graduate.

Love said that the University's TRIO and other assistance programs work with students who never had anyone talk to them about going to college.

"We plant a seed that grows and helps to give students opportunities they never thought they would have," Love said. "These are some of Penn State's biggest stars. Not because they go on to win a Nobel Prize — even though they could — but because of how much they achieve on their own with very limited resources. They have lots of family love, but limited resources and these programs help them make the most of what they do have."

As an example, Love said that the College Assistance Migrant Program, which is not a TRIO program, serves children of migrant workers.

"It's hard for them to understand why they should pay \$10,000 to send a child off to college when that child could earn \$11,000 by working. The program works to change their understanding of why they should invest in education."

That puts a lot of pressure on the student to succeed, Love said.

"If they fail, they leave with debt and no education and it's a great failure for the entire family. On the other hand, when they succeed, it's monumental and the whole family shares in that success."

More than 4,500 people a year gain a direct benefit from the University's involvement in these programs.

For more information, check the Web at <http://www.psu.edu/ouic/test/index.html>.

Annenmarie Mountz can be reached at AMountz@psu.edu.

Firm to locate center in Innovation Park

SaRonix of Menlo Park, Calif., a manufacturer of frequency and timing control components used in electronic products, will establish a design center in Innovation Park at Penn State later this year.

Gov. Tom Ridge announced the company's decision June 26 at a gathering of information technology professionals and business leaders in Pittsburgh.

Innovation Park, the University's research park, is home to more than 35 businesses and organizations that employ about 750 people.

The Pittsburgh Digital Greenhouse, a Ridge initiative, provided resources to help SaRonix make the move to Innovation Park.

Craig M. Taylor, SaRonix vice president

and chief technology officer, said the company investigated a number of different sites for the design center. He said they chose Innovation Park because of the access to the world-class research, faculty and talent of the University and to benefit from the core of tech companies growing within the region.

The Pittsburgh Digital Greenhouse is a nonprofit organization that brings together the Commonwealth of Pennsylvania, a consortium of leading high-tech firms, Penn State, Carnegie Mellon and the University of Pittsburgh. A special emphasis of the greenhouse is to develop next-generation digital video and digital networking technology.

NEWS IN BRIEF

Postage rate increase

Postal rates on a number of classifications increased as of July 1.

The most commonly used classifications affected are first-class postcards, increasing to 21 cents; priority mail, express mail, standard mail and certified mail. First-class mail, up to one ounce, will remain at 34 cents.

Call Gregg Ascitiu or Paul Fetzter at (814) 865-9171 to find out the new rates.

Business ethics is

topic of Spanier call-in

The ethical responsibilities of corporations is the topic of the next edition of "To the Best of My Knowledge." President Graham B. Spanier's monthly call-in show airing at 7 p.m. Tuesday, July 24, on WPSU-FM 93.1, 106.7, 95.1, 90.1, 100.9 and 104.7, and simultaneously on WPSX-TV.

Joining Spanier to discuss ethical leadership and moral awareness in the business world will be Linda Trevino, professor of organizational behavior, and Peter M. Wolf, a consultant in values development with Business Ethics Balance in Altoona.

Listeners and viewers with questions or comments are encouraged to join the discussion by calling (800) 543-8242 during the one-hour simulcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.psu.edu/ut/tech/tech.html>; and they will be able to contact the president during the program via e-mail to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of local and national interest and to allow listeners and viewers a chance to communicate directly with Penn State's president.

Web-based tutorials

The Office of Administrative Systems (OAS) has created a series of Web-based tutorials for users of IBIS, ISIS and other

administrative computing users. The tutorials are supplements to existing documentation, viewable on both Macs and PCs with most standard browsers, and load quickly.

The first set of tutorials features setting up the NetPass Activity Table. To see these, go to the link in the Essential News section from the home page — <http://ais.psu.edu/>

The next set of topics slated for development include "Set-up for Accessing the Data Warehouse" and "Navigating on the COLD Server."

E-mail AIS-master@psu.edu with observations about the tutorial and the Web site.

Water quality report

In accordance with Environmental Protection Agency (EPA) regulations, the University has posted a consumer confidence report on the Web at <http://www.opp.psu.edu/info/index.htm>.

This report contains detailed water quality information designed to inform the public about the University's safe and dependable supply of drinking water, which meets all federal and state requirements.

The information on the Web also is available in printed form. Requests for copies of the Consumer Confidence Report should be directed to Paul Ruskin, communications/public affairs coordinator, 113 Physical Plant Building, University Park, Pa. 16802.

Direct questions relating to Penn State water quality to pr2@psu.edu or call (814) 863-9620.

For the Record

Donald V. Joseph was chairman of the Division of Food Science and Industry. Due to a source error, this information was incorrect in his obituary on page 2 of the June 7 issue of *Intercom*.

Improvements in progress



Photo: Greg Grieco

Workers from Glenn O. Hawbaker Construction

in State College are making pedestrian and safety upgrades on the corner of Pollock and Shortridge roads on the University Park campus, above. The improvements include demolition of the long-closed underpass at the corner, and the installation of a prototype intake vent, a piece of which workers are guiding into place in preparation for installation, right. The vent consists of two grates that will bring cool air into the steam tunnels, making the environment more comfortable for employees who must sometimes do work in the tunnels. The project also will widen the intersection, making it easier for buses to navigate turns. Work is expected to be completed before the start of classes this fall.



Photo: Annemarie Mountz

4 receive Honorary Alumni designation

The Penn State Alumni Association recently conferred the distinction of honorary alumni on four individuals. The Honorary Alumni Awards have been given by the Penn State Alumni Association since 1973 to honor people who are not graduates of the University, but who have made significant contributions toward its welfare, reputation or prestige.

The 2001 Honorary Alumni Awards recipients are Shirley Fortinsky of Swyersville, Gerald Hogan of Havertown, Edward Hopkins of DuBois and Philip Radcliffe of Manchester, United Kingdom.

Fortinsky has served the Wilkes-Barre community and Penn State Wilkes-Barre as a volunteer for 30 years. Along with her husband, Robert, she has contributed time and resources to the University. She spearheaded initiatives and events from scholarship-generating opportunities for students to major public relations events and special activities that have advanced the University's mission in northeastern Pennsylvania.

Hogan's greatest contribution has been to the students, faculty and staff at Penn State Great Valley, where he has assumed an active role as an advocate for the University's vision. He was Penn State Great Valley's first fund-raising volunteer, delivering the

school's first major gift. Hogan was instrumental in helping the campus position itself as a regional player in work force development. He serves as a mentor, campus adviser and adjunct faculty member.

Hopkins has served Penn State DuBois for nearly four decades, serving on the school's Advisory Board and providing leadership to numerous committees and initiatives that have led to improvements in academics, student life and campus-community relations. His efforts have been instrumental in raising private funds to support construction of academic buildings on campus. Hopkins is a longtime supporter of Penn State Public Broadcasting, serving as a member of the board of directors for WPSX-TV for more than 10 years.

Radcliffe has worked with the University on a study abroad program that provides opportunities for students to learn about British media and British life for more than 30 years. In his role as director of the Penn State/Manchester Study Abroad program, Radcliffe has touched the lives of more than 1,000 students. Radcliffe's experience in his field and his extensive connections in the communications arena have contributed to the program's national recognition.



Lectures

'AstroFest 2001' offers astronomy activities

A free festival of astronomy for all ages will be held concurrent with the Central Pennsylvania Festival of the Arts. The third annual "AstroFest," sponsored by the Department of Astronomy and Astrophysics, will be conducted from 8:30 to 11:30 p.m. through Saturday, July 14, on the University Park campus.

This year's event will be highlighted by a special public lecture by Frank Drake, chairman of the board of directors of the Search for Extraterrestrial Intelligence (SETI) Institute. His free lecture, titled "The Search for Extraterrestrial Intelligent Life," will be presented at 4 p.m. Saturday, July 14, in 100 Thomas Building.

Drake's talk is the culmination of the 2000-2001 Friedman Lecture Series, which focuses on "Origins in Astronomy." In his lecture, Drake will discuss the possibility of life elsewhere in the universe and describe efforts to detect radio signals from extraterrestrial intelligence. In addition, Drake will speak about the great potential of the Allen Telescope Array, which has a greater than 10,000-square-meter collecting area using the combined power of 350 six-meter-diameter antennas.

All ages are welcome to look at the stars and to participate in a variety of activities during "AstroFest." Activities and events are free and will be conducted near or shine in classrooms and in the planetarium on the fifth floor of Davey Laboratory. If the weather is clear, visitors may gaze through 10 telescopes on the roof of Davey Laboratory.

Special activities for children are planned from 8:30 to 9:45 p.m. each night, and families also may enjoy the regular demonstrations, picture shows and planetarium programs.

Wilkes-Barre to be host of international conference

"The XVIII Surveying and Mapping Educators Conference 2001: A Spatial Odyssey" will be held July 15-19 at Penn State Wilkes-Barre. State Rep. Paul E. Kanjorski will present the keynote address for this international conference.

Since 1937, surveying educators have met informally at host institutions to discuss common problems and efforts in surveying education. Issues include curriculum planning; course content; teaching methods; suitability of textbooks and other teaching resource materials; laboratory and equipment support; requirements for surveying educators; educational requirements needed for the practice of surveying; and many other pedagogical issues.

This year's conference will bring presenters from Denmark, Australia, Spain, Saudi Arabia, South Africa and Canada. In addition, most of the institutions in the United States offering baccalaureate degrees in surveying will be represented.

For more information, call Charles Ghilani at (570) 675-9127 or e-mail cdg3@psu.edu.

An overview of the conference can be viewed on the Web at <http://surveying.wb.psu.edu/surveyedu/>.

Popular destination



Students from the Pennsylvania Governor's School made a stop at the Penn State Trial Gardens on the University Park campus recently. The high school seniors are on the campus for five weeks of learning and mentoring sessions.

Photo: Greg Grieco

Programs gain nearly \$3 million from National Science Foundation

The National Science Foundation is providing \$2.95 million in support for Nanoscale Interdisciplinary Research Teams (NIRT), a program on collaborative research in the area of nanoscale science and engineering. The goal of the program is to catalyze synergistic science and engineering research in emerging areas of nanoscale science and technology.

Joan Redwing, assistant professor of materials science and engineering, and her team received \$1.45 million over four years for their work on semiconductor nanowires. Her interdisciplinary research team includes Theresa Mayer, associate professor of electrical engineering; Ari Mizel, associate professor

of physics; and Suzanne Mohney, associate professor of materials science.

Their research is of interest for applications including quantum transistors and nanoscale light emitters.

Darrell Schlom, associate professor of materials science and engineering, and his team will receive more than \$1.5 million over four years. The team includes Long-Qing Chen, associate professor of materials science and engineering; Venkatraman Gopalan, assistant professor of materials science and engineering; Xiaoping Pan, associate professor of materials science and engineering, University of Michigan; Karin M. Rabe, professor in the Department of Physics and Astronomy at Rutgers

University; Susan Trolrier-McKinsiry, associate director of the Materials Research Laboratory; and Xiaoxing Xi, assistant professor of physics.

The technical objective of the team's research is to understand the fundamental science underlying the structural, dielectric and optical response of artificially-engineered nanoscale ferroelectrics. Ferroelectric materials are extensively used in health care (medical ultrasound), national defense (night vision and sonar systems) and communications (cell phones and computers).

Both Redwing's and Schlom's NIRT programs will be useful in educating future scientists in nanotechnology.

University receives \$1.25 million Department of Energy grant

A three-year, \$1.25 million grant from the Department of Energy (DOE) has provided funding for researchers at Penn State and collaborators at two other universities to further study biological iron(III) reduction for remediating uranium-contaminated soil and groundwater.

The grant represents a continuation of funding from the DOE Natural and Accelerated Bioremediation Program for Bill Burgos, associate professor of environmental engineering; Brian Dempsey, professor of environmental engineering; and George Yeh, provost professor of

civil and environmental engineering at University of Central Florida (formerly at Penn State). Eric Roden, associate professor of biology at University of Alabama, is a new collaborator.

This October, Burgos and Yeh will be hosts for an instructional workshop on reaction-based modeling at Penn State. The goals of the workshop are to discuss the current types of models available to simulate biogeochemical experiments, and to formally train attendees how to use the software packages developed by Yeh.

Hewlett grant enhances undergraduate general education

By BILL CAMPBELL
Special to Intercom

Undergraduate students are getting a better understanding of — and a better appreciation for — general education under programs developed as part of a two-year grant from the William and Flora Hewlett Foundation.

During the past academic year, first-year students undecided on an academic major enrolled in a basic English, rhetoric and composition section subtitled "Toward a Civil Society" and in a speech communication class that focused on local public issues of community development.

"Our goal is to determine whether it is possible to address in an effective way student attitudes toward general education," said Marilyn Keat, associate director for special projects in the Division of Undergraduate Studies, where students undecided on an academic major are enrolled. "Some students question whether general education matters and they feel they just have to get the requirements out of the way. Others are so eager to get on with a pre-professional program or concentration in a major that they regard general education as a barrier rather than an integral and, for many, a most valuable part of their education, especially since their career goals may change."

"It's important that education in a democracy helps students develop the habits of thought and action that democratic life demands. We want our students to be able to look at things from a variety of perspectives and develop habits of being analytical and thoughtful in approaching problems. We also want them to be appreciative of the contexts in which public questions are situated and have an appreciation of how reasonable people bring different points of view to the same question."

As part of the Hewlett grant, the University was the host for a symposium on general education at research universities from June 29 to July 1 at The Nittany Lion Inn on the University Park campus. Representatives from UCLA, University of Chicago, University of Michigan, University of North Carolina, Princeton University, Stanford University, University of Virginia, University of Washing-

"The question is not about the content of general education. It's about what we can do to help students better value it."

Marilyn Keat
associate director for special projects
Division of Undergraduate Studies

ton and University of Wisconsin took part. Keat, Jeremy Cohen, associate vice provost for undergraduate education, and Eric White, executive director of the Division of Undergraduate Studies, represented the University.

"The question is not about the content of general education," Keat said. "It's about what we can do to help students better value it. A number of institutions are experimenting with various programs."

Last fall, the special English 15 section, funded by the project, was taught by James Rameau, associate professor of English and American studies. Rameau said readings centered on American historical documents that illustrate some point about a civil society — the meaning of justice; the nature of education and the values we attach to aspects of our national life. Students also were required to read *The New York Times* regularly.

"English 15 is a writing course and the goal is to write early and often to improve the students' means of expression," he said. "In this section, we tried to tie in their writing with the notion of a liberal education. We hoped to make a connection between what they were going through as uncertain college freshmen with civility and a liberal education. And I think it worked very well."

"It was 'a wonderful experience' for Jessie Shoemaker. 'The things we learned in the readings broadened my knowledge of the politics of the country and our cultural past,'" she said. "There is a lot to be said for being able to converse on many levels and topics and that was encouraged by the class discussions."

Lisa Michaux-Smith also felt the course gave her a broader view of general education.

"I learned that general education is more than just a group of courses," she said. "You need to be broadly educated and aware of what's going on around you. Reading a newspaper has been painful for me. But I got into the habit of reading *The New York Times* and I got hooked on it. I still read it regularly."

Students in both the English and speech communication courses were residents of Discover House, a living and learning community for exploratory first-year students, established by the Division of Undergraduate Studies in collaboration with the Office of Residence Life. With funding from the Hewlett grant, faculty and professional academic advisers use the Discover House environment to engage students in discussions on general education and also provide co-curricular experiences that demonstrate the importance of general education in a democracy.

Next fall, the Discover House General Education Project will offer the English 15 section and a philosophy course, "Places of Learning," developed and taught by Vincent Colapietro, professor of philosophy. Also being offered is a first-year seminar, "Voices of Liberty," that will incorporate readings and discussion of general education. It will be taught by Robert Richards, associate dean for undergraduate education in the College of Communications. In the spring semester, the speech communication class will be offered again. All courses are funded by the grant.

Keat said advisers in the Division of Undergraduate Studies have led in-service discussions of general education and continue to use general education options to help students explore their academic interests.

"A positive outcome of all these efforts would be to find better ways to communicate to our students the purpose and value of general education," she added. "The ideal outcome would be to excite them about general studies."

Bill Campbell can be reached at wjc1@psu.edu.

New study space



Marisa Formica, a freshman in pre-medicine from Scranton, studies in the new Hetzel Library/study area in the west end of the HUB-Robeson Center on the University Park campus.

Photo: Greg Grono

Action required for SERS participants to take advantage of changes in code

The Office of Human Resources would like to remind participants in the State Employees' Retirement System (SERS) that it is important to act on recent changes to the retirement code.

An important aspect of the recent state retirement legislation involves the election of the new Class AA. Election forms were recently mailed to all active SERS members. Class AA service is not automatic. Members must elect Class AA service by filling out the election form by Dec. 31.

Gov. Tom Ridge signed Act 2001-9 into law on May 17. This act allows most members, who are active contributing members or members on an approved leave without pay, to elect Class AA for most state service.

Class AA will increase the current 2 percent multiplier to 2.5 percent. For example, a member with 25 years of service and a final average salary of \$40,000 would receive an annual benefit of \$20,000 at normal retirement age under Class A (2 percent multiplied by 25 years multiplied by \$40,000). The same benefit under Class AA would

be increased to \$25,000 (2.5 percent multiplied by 25 multiplied by \$40,000). Class AA service generally provides a 25 percent increase in benefits.

The election of Class AA also will result in an increase in the current contribution rate of 5 percent to 6.25 percent. The new contribution rate will be effective the first pay in January 2002. SERS members are urged to consider the long-term beneficial contributions also will increase the lump sum available when the member leaves service or retires.

Members are encouraged to return the election forms in the addressed stamped envelopes provided with the mailing. SERS has placed special accounting procedures for these forms to ensure all members make this very important election.

SERS will send a confirmation letter within three weeks of receiving election forms. Any questions concerning this information may be addressed to the local SERS office at (800) 633-5461.

College of Communications reaccredited, praised for its diversity initiatives

The College of Communications has been reaccredited by the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC), receiving a special commendation for its strong diversity efforts.

ACEJMC voted unanimously at its annual spring meeting in Portland, Ore., concurring with recommendations for reaccreditation made earlier by the national Accrediting Committee and site-visit team.

The college was judged to be in compliance with all 12 of the accrediting council's review standards.

The site-visit team cited "exemplary commitment, practices and accomplishment on all dimensions of diversity-student recruitment and retention, faculty recruitment and retention and curricular development."

Noting that the college's minority enrollment of 13.1 percent is more than the campuswide average, the report called attention to outstanding freshman-to-sophomore retention rates of the college's students of color (more than 90 percent during the past eight years); the doubling of the number of full-time minority faculty members since the 1995 review; the doubling of minority student enrollment since the last review; and an effective Office of Multicultural Affairs.

The report, which said that the college "has a model program to enhance diversity," cited the discussion of diversity issues in more than 60 different course sections.

ACEJMC is the agency formally recognized by the Council for Higher Education Accreditation and the U.S. Department of Education for accrediting professional education programs in journalism and mass communications institutions of higher learning.

The next review for the college, which encompasses the departments of Advertising/Public Relations, Film-Video and Media Studies, Journalism and Telecommunications, will be during the 2006-2007 academic year.

Chemistry program at Erie gains national approval

Following a rigorous, three-year evaluation process, the chemistry program at Penn State Erie has met the American Chemical Society's (ACS) guidelines for approved schools.

Penn State Erie is one of only 619 colleges and universities across the United States to achieve such approval. In northwestern Pennsylvania, other ACS-approved chemistry programs include Allegheny College and Clarion University.

In addition to granting approval to chemistry programs, ACS provides certification for students who complete their degree at a school with an approved program. For the student, a certified degree in chemistry is a valuable personal credential that serves as national recognition for successfully completing a rigorous academic chemistry curriculum in an ACS-approved department.

Achieving ACS approval was a lengthy process. Following a formal self-assessment of courses, budget, faculty and equipment, the ACS Committee on Professional Training sent the program a series of recommendations. Among the recommendations were strengthening the analytical chemistry component of the program by adding another faculty member with a focus in analytical chemistry and upgrading some upper-division labs. Once all the recommendations were met, the ACS sent an associate to Penn State Erie for a thorough, on-site review of the program.

ACS approval is not granted for any specific time period. All approved schools are required to report their curricular offerings every year with details of all their chemistry graduates who wish to have a certified degree. They also must prepare an extensive re-evaluation report every five years.

That time of year again



Lanny Sommesse, professor of art, holds his latest poster for the Central Pennsylvania Festival of the Arts, now in progress on the University Park campus and in downtown State College. Sommesse designs the official poster each year for the festival, which runs through Sunday, July 15.

Photo: Greg Grieco

Berks-Lehigh Valley division head sought

Penn State Berks-Lehigh Valley is accepting applications for the position of head of the Science Division. The person in this position will support the development of the faculty in the areas of teaching, research and service, as well as promote the college's mission, working with the administration to formulate and carry out long-term goals for the division. The position requires outstanding leadership potential and excellent organizational and communication skills.

The division head conducts the annual evaluation of faculty, mentors new faculty, manages the division's budgets, oversees long-range planning for the division and repre-

sents the interests of the faculty. Prior administrative experience, particularly involving faculty mentoring and evaluation, and experience with curriculum development are highly desirable.

The position requires a doctorate in one of the division's disciplines and a record of scholarly achievement and teaching experience appropriate for appointment at the associate or full professor rank. To support the college's emphasis on teaching, the division head will teach one course each semester.

Start date is Aug. 15. For more information, check the Web at <http://www.bk.psu.edu/faculty/facpos/scidiv.html>.

New Fulbright program offers opportunity for international research

The 2001-2002 Fulbright New Century Scholars Program (NCS), a high-level, three-year multidisciplinary research program recently launched by the U.S. Department of State and the Council for International Exchange of Scholars (CIES), will focus on "Challenges of Health in a Borderless World" in the first year of the program. Applications are due Aug. 1.

Designed to build on the strengths of the Fulbright Scholar Program by extending its mission and outreach, NCS plans to bring together 25 to 30 outstanding research scholars and professionals from the United States and around the world to engage in multidisciplinary collaboration on a topic of substantial global significance. The objective of the first project is to facilitate a deeper understanding of the social context within which societies, nations and the global community shape their responses to disease in a period of increased global interdependence and rapid socio-economic change.

Iлона Kickbusch, director of the Division of Global Health in the Department of Epidemiology and Public Health at the Yale University School of Medicine, will serve as this year's New Century Scholar distinguished scholar leader. Kickbusch was selected for her expertise and standing in the area of the program theme, as well as her ability to approach the topic from an interdisciplinary perspective.

New Century Scholars will be expected to pursue research activities related to the NCS research theme throughout the program year; to maintain contact with one another as a means to expand their own research directions; and to participate in all activities of the program.

Faculty interested in applying should visit the CIES Web site at <http://www.iie.org/cies/NCS/>. For more information, contact Janet Haner at (814) 865-0771 or jah3@psu.edu; or John M. Keller at (814) 863-6035 or jmk13@psu.edu.

LEAVES OF ABSENCE

The following sabbatical leaves were recently approved for the 2002-03 academic year:

Steven D. Putzel, associate professor of English at Penn State Wilkes-Barre, to complete research and write a book, *Virginia Woolf and the Theater*.

Peter B. Flemings, associate professor of geosciences in the College of Earth and Mineral Sciences, to conduct collaborative research on fluid flow in evolving sedimentary basins at Edinburgh University, Herriot Watt University and the Massachusetts Institute of Technology.



Richard Taylor, left, and Gavin Bigelow feed meal worms and meal beetles an apple as part of Advanced Bug Camp for Kids. The camp is designed to focus on insect biology and explore scientific research, using insects as the catalyst. For more information on this camp, check the Web at <http://www.scied.cas.psu.edu/advcampkids.html>.

Summertime is camp time

Most of the University's campuses offer summer camp programs, and University Park is no exception. On these pages, we've captured a sampling of the many camps the University has to offer — both academic and athletic — to youth from Pennsylvania and throughout the nation. All photos were taken on the University Park campus by Chris Koleno.



Billie Wilfrits, assistant vice president for human resources and coach of the Penn State Lady Icers, talks to Caitlin Hennessey and Jessica Lutz during the University's first Women's Ice Hockey Camp, above left. **Above right**, participants at Penn State Football Camp I work on their receiving and defending skills. **At right**, Bob Minard, senior lecturer in chemistry, talks about the various inhabitants of the aquarium in the HUB-Robeson Center. This session was part of the Action Potential Science Experience — Biology Camp.





During women's volleyball camp, left, Jennie Bennett sets the ball for her teammates as instructor Mishka Levy, a member of Penn State's Lady Lion volleyball team, right, watches. Above, Brian Zalasky addresses the speaker on the subject of the death penalty at Keystone Boys' State. The camp, sponsored by the American Legion, gathers young men from across the state for a week of intensive, immersive learning on citizenship, leadership and government. Through role-playing, simulations and peer interaction, the students "learn by doing," the program's motto. Below, Girl Scouts participate in an activity during "Spirit Moves," part of "Wider Opportunity 2001." This program, designed for Girl Scouts and their leaders, drew more than 1,000 girls from 44 states.





University Park Calendar

July 13 - July 26

SPECIAL EVENTS

Friday, July 13

Arts Festival, through July 14.

"The Real Inspector Hound," by Tom Stoppard, also "The Actor's Nightmare," by Christopher Durang, The Playhouse, through July 21. For tickets, call (814) 863-0255.

"AstroFest," festival of astronomy, 8:30 to 11:30 p.m., Fifth Floor, Davey Laboratory, through July 14.

"Wit & Wine," gallery talk by Trudy S. Kawami, noon July 13, 10 a.m. July 14, Palmer Museum.

Saturday, July 14

"Odropin," gallery talk, 2 p.m., July 14, 21 and 28; and Aug. 4, 11, 18 and 25; Palmer Museum.

Friday, July 20

"Impressionism in Print: Etchings and Lithographs by Childe Hassam," gallery talk by Jennifer Noonan, 2 p.m., Palmer Museum.

"An Evening of Wit & Wine (tasting)," 7:30 p.m., Palmer Museum, through July 21. To register, call (814) 865-7672.

Wednesday, July 25

"Guffaw!" The Playhouse, through July 28.

SEMINARS

Friday, July 13

Trudy S. Kawami on "Ancient Iranian Ceramics as Art," 4 p.m., Palmer Museum.

Saturday, July 14

Frank Orake on "The Search for Extraterrestrial Intelligent Life," 4 p.m., 100 Thomas.

EXHIBITS

HUB-Robeson Center

Metal sculptures by Eric W. Stephenson, through Aug. 19.

"Sightseeing: A Space Panorama," photographs from NASA space missions, through Aug. 21.

"Three Award Winning Medallists," by Jeanne Stevens-Sollman, Leonada Finke and Karen Worth, through Sept. 16.

"Images 2001," juried group exhibit of paintings, drawings, hand-pulled prints, photography, mixed media and small sculpture, through July 19.

Kern exhibit area

"Blind Spots," photography by Denton W. Smith Jr., through Aug. 12.

North Halls exhibit area

Photographs by Jake Waldman, through Sept. 16.

Palmer Museum of Art

"From Main Street to Moscow by Way of Rails and Sails: History of Transportation in Pennsylvania Prints from the Permanent Collection," through Sept. 2.

"Wit and Wine: A New Look at Ancient Iranian Ceramics from the Arthur M. Sackler Foundation," through Aug. 12.

"Impressionism in Print: Etchings and Lithographs by Childe Hassam," through Sept. 9.



George Dzundza and Bellamy Young rehearse their parts in "The Actors Nightmare." Together with "The Real Inspector Hound," this Pennsylvania Centre Stage production will be shown July 13-21 (previews July 11 and 12) at The Playhouse Theatre on the University Park campus. For tickets, call (814) 863-0255.

Photo: Greg Galico

Country music makes a return on July 29

Country music's John Michael Montgomery, with opening group BlackHawk, will perform at The Bryce Jordan Center at 7:30 p.m. Sunday, July 29. Tickets are \$35 and \$25 for reserved, intimate, the-atre-style seating.

During his career, Montgomery has scored 10 No. 1 singles, sold more than 14 million albums and won several national awards, including the Country Music Association (CMA) Horizon Award and the Academy of Country Music (ACM) Top New Male Vocalist awards, both 1994. His 1994 memorable wedding anthem, "I Swear," became one of the decade's most enduring love songs and was honored with a Grammy, a CMA and an ACM award for Song of the Year in 1994-95.

Newly signed to Columbia Records and

BRYCE JORDAN CENTER

working diligently on their first project for the label, BlackHawk members Henry Paul and Dave Robbins are facing their musical future with a renewed determination and vigor. The two musical partners have concentrated their recent energies on crafting the same type of progressive country tunes that propelled their career into the country music limelight.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555, or online at <http://www.bjc.psu.edu/>.

Pattee and Paterno Library exhibit areas

19th-century American tintypes, through Aug. 15.
"The Great Exhibition of 1851: The Charles W. Mann Jr. Crystal Palace Collection," through Aug. 1.

"Pennsylvania Amusement Parks: The Charles and Betty Jacques Amusement Park Collection," through Aug. 15.

"The Digital Photography Studio, Student Photographs," through Aug. 10.

"Overlooked Visions of the Past Century," through Aug. 10.

"Sightseeing: A Space Panorama," through Aug. 20.

Ritenour Center

"Secret Strengths," photos by Rebecca Porter, through Sept. 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

ARTS AND ENTERTAINMENT

Youth drama camps

MetaStages, a program of the School of Theatre, announces registration for non-resident summer drama camps to be held on the University Park campus.

Workshops are taught by professional faculty in acting, mime, movement, voice, improvisation and art. Each week culminates with a performance.

There are four, one-week camps: July 16-20, July 23-27, July 29 to Aug. 3 and Aug. 6-10. Enrollment is limited. The camps have separate groups for students ages 9-11 years and ages 12-18 years.

For information, call Joann Leonard, MetaStages director, at (814) 867-8390.

Monoprints exhibited

Monoprints by Philadelphia artist Hester Simmet are on display through Sept. 15 in the Morrison Gallery of the Library at Penn State Harrisburg.

The title of the show is "Recent Works." Simmet uses the Japanese sumi-nagashi or "spilled ink" technique in her work, floating a thin layer of ink on the surface of a pool of water and then laying down a sheet of paper to record the fluid and unpredictable movement.

The artist's reception and gallery talk is from 5 to 7 p.m. Wednesday, Sept. 12, in the Morrison Gallery.

For information, call (717) 948-6273.

BOOK SHELF

M. Lee Upcraft, affiliate professor emeritus of higher education and assistant vice president emeritus for student affairs. *Assessment Practice in Student Affairs: An Applications Manual*, published by Jossey-Bass Inc.

Upcraft co-authored and co-edited the book, with **John H. Schuh**. Several members of the University faculty and staff wrote chapters, including **Jennifer Crissman**, assistant professor of counselor education; **Jack Bayman**, director of Career Services and affiliate professor of counseling psychology and education; **Dennis Heitzmann**, director of the Center for Counseling and Psychological Services and affiliate associate professor of counseling and clinical psychology; **Kenneth Nafziger**, staff psychologist at the Center for Counseling and Psychological Services; **Betty Moore**, senior analyst and director of Student Affairs and Assessment; and **Margaret Spear**, director of University Health Services and assistant to the vice president for Student Affairs. Several doctoral students enrolled in the graduate program in higher education also contributed chapters, including **Thomas Wortman**, **Linda Moran**, **Brian Jara** and **Lisa Shibley**.

Executive education goes digital with global management CD-ROM

By Bill Campbell
For Intercom

Executive education and corporate communications are moving to an exciting new level in the digital world — complete with state-of-the-art graphics and digitized sound — through a CD-ROM developed by the Center for Global Business Studies at The Smeal College of Business Administration.

"There is nothing similar to this in the marketplace," said Fariborz Ghadar, William A. Schreyer professor of global management, policies and planning, and director of the Center for Global Business Studies in Smeal College. "It has the potential to revolutionize executive education. We plan to give it to each participant in our Executive Education programs, which are internationally ranked and are designed for managers who have been in business 10 to 15 years and need to be refreshed in terms of what is happening now."

"It is not just a repeat of what was presented in the classroom, but offers thoughts on the topic in an entertaining fashion from top CEOs in the country. It can be put on a company's Web site and any employee can access it. We are using it this way at Penn State. Several companies, asking how it can be customized in terms of how globalization applies to specific industries, have also approached us. We see it as a very robust, powerful tool."

The CD-ROM, titled "Global Strategic Management in the New Millennium," opens with a colorful map of the world designed to reflect the impact of the global economy. With a background of up-tempo

"The reaction is that it's terrific and can be a valuable communications tool in a company."

Fariborz Ghadar
director of the Center for Global Business Studies

music, it features five phases or chapters, each introduced by Ghadar, with links to related articles, and a videotaped presentation by a CEO of a major corporation.

Chapter five, for example, is presented against a chessboard background and explores how global strategy is evolving. CEOs featured include William A. Schreyer, chairman emeritus of Merrill Lynch and Co.; Robert E. Svens, president of Exports Insurance Co. Ltd.; John K. Leonard, former president of Cigna Group Insurance; Ernest W. Davenport Jr., chairman of the board and CEO of Eastman Chemical Co.; and Linda S. Strumpf, chief investment officer of the Ford Foundation.

Interspersed throughout the learning module are vignettes on global strategies in the insurance, hospitality and manufacturing industries. In one on Sony cellular phone marketing, the user can connect to the Sony Web site, view the product and see how Sony is marketing it. At the conclusion, a panel of four CEOs provides advice on dealing with globalization in the future.

Ghadar, who has more than 20 years experience working with corporations around the world, said the CD-ROM has been distributed to members of the Center's Advisory Board and to a group of

human resources and executive education managers in a number of large corporations.

"The reaction is that it's terrific and can be a valuable communications tool in a company," he said. "It is more effective, more interesting and a lot more fun. I believe we need to make learning exciting and entertaining. It is the reality of the game in education. You need to get interest and attention before you can communicate effectively. We can do so much more with the new technology. If we don't use it, we are doing a disservice to our students and our Executive Education programs."

The Global Strategic Management CD was produced by the Center for Global Studies. Center faculty and staff wrote the accompanying articles, identified the participating CEOs and made the videotapes. An outside firm produced the technology.

While the CD is designed for use in Executive Education programs, Ghadar said the tool lends itself to playing a major role in corporate communications.

"In some companies, 25 managers from around the world get together for a week-long conference, where they sit in a classroom and listen to a presenter," he noted. "It is difficult for managers located throughout the world to come to one loca-

tion. Using this technique, they could view one presenter complemented by six experts without having to travel to company headquarters.

"It also would be an important method of communicating within a company on any issue such as corporate values, brand management or matrix management. It provides an effective means of articulating the pros and cons of any major change to all employees."

The Center for Global Business Studies specializes in researching emerging multi-functional business issues that shape the global environment. Its mission is to construct a coherent global perspective in business management, research and education.

"We are designed to look at cross-business, cross-functional and cross-regional issues in global corporations," Ghadar said. "Distance education and executive education are important at Penn State. The Center is deeply concerned about global executive development and distance education and its impact on large corporations."

"Our Advisory Board, which is made up of senior managers from large multinational firms, has identified a set of issues important to multinational corporations. We are planning to develop additional CDs addressing those issues, including 'The Impact of New Technology on Global Firms' and 'Mega Mergers and the Dubei Logic of Mega Mergers.' That is the direction the Center currently is taking."

Bill Campbell can be reached at wjc1@psu.edu.

25-YEAR AWARDS



Dr. Robert C. Aber



David Anderson



Charles Croskey



H. Randolph Thomas



K. Gerald Zimmerman



William W. Asbury



JoAnn Harris



Robert Munzenrider



Barry E. Schetz

Observing 25 years of service at the University are, top row from left: Dr. Robert C. Aber, professor of medicine and senior associate dean for medical education in College of Medicine, The Hershey Medical Center; David Anderson, professor of civil and environmental engineering; Charles Croskey, professor of electrical engineering; H. Randolph Thomas, professor of civil and environmental engineering; and K. Gerald Zimmerman, supervisor of engineering labs, all in the College of Engineering; William W. Asbury, vice president for student affairs in Office of the President; and JoAnn Harris, administrative assistant I in College of the Liberal Arts; and second row, from left: Robert Munzenrider, associate professor of public administration, Penn State Harrisburg; and Barry E. Schetz, senior scientist and professor of materials in Office of the Vice President for Research. Observing 25 years of service at the University but not pictured is Suzanne M. (Sana) McGhee, staff assistant V in Division of Outreach and Cooperative Extension.



Partings

Dickinson School of Law dean returns to teaching

Peter G. Glenn, dean of the Dickinson School of Law since 1994 and a key figure in the institution's merger with Penn State in 1997, has announced that he will step down as dean effective at the conclusion of the 2001-2002 academic year.

Glenn, who also is the Donald J. Farage professor of law at Dickinson, intends to return to a full-time faculty position with the school. A search committee charged with finding a new dean will be formed in the coming weeks.

Peter has truly been the driving force behind the evolution of the Dickinson School of Law. He deserves most of the credit for the successful merger with Penn State four years ago," said President Graham B. Spanier. "His leadership and vision for Dickinson has been an invaluable asset to both the legal community and Penn State, and has helped enhance the position of the law school on a national scale."

"This has been a demanding position, made even more exciting by the negotiation and completion of the merger, and I have used a great deal of energy during the past seven years," said Glenn. "We are now almost finished tying up the various 'loose ends' from the merger, the school is in great shape and I think we are in a position to attract a new dean who not only will bring us a fresh supply of energy and enthusiasm, but also some fresh perspectives."

The decision to merge with Penn State in 1994 was a gamble for Dickinson. Seeing a fall-off in demand for law schools nationwide in the early 1990s, Glenn saw the benefits of associating the nation's oldest independent law school with a high-profile national research university located in its own back yard.

"Clearly the most memorable accomplishment for me will be the negotiation and accomplishment of the merger with Penn State," said Glenn. "This was a major accomplishment, not only in terms of the difficulty of the task, but also in

terms of its importance to both institutions."

For Penn State, the addition of Dickinson to the fold filled a definite void, having been one of only two Big Ten member institutions without a law school. For Dickinson, the merger has contributed to a more than 35 percent increase in students seeking admission to the school — much higher than the 2 percent to 3 percent rise in law school applications nationally — and more than \$12 million in private support raised since 1997.

Glenn arrived at the Carlisle-based law school in 1994. Before that, he practiced law with the Cleveland law firm of Jones, Day, Reavis and Pogue from 1969 to 1972 and again from 1983 to 1994. He served on the law faculties of the University of North Carolina at Chapel Hill, Washington and Lee University and the University of South Carolina between 1972 and 1983. While in law practice in Cleveland during the 1980s he served as a part-time lecturer at Case Western Reserve University School of Law.

Glenn got his start in the legal profession as a law clerk for Judge Abraham L. Freedman, U.S. Court of Appeals for the Third Circuit, Philadelphia, from 1968 to 1969. He earned his bachelor's degree in history from Middlebury College in 1965 and his doctor of jurisprudence degree from the University of Pennsylvania in 1968. He is a member of the American Bar Association, The Pennsylvania Bar Association and The Cumberland County (Pa.) Bar Association.

"Dickinson is a very fine law school, and I am very proud of what we have accomplished here in the past several years," said Glenn. "At the same time, I am very much looking forward to returning to the law faculty and to enjoy both teaching, which I have always loved, and the opportunity to engage in some research and writing about issues facing the legal profession."

Two employees announce their retirements

Paul M. Dean, food service worker in Housing and Food Service, from Jan. 4, 1979, to April 27.

Emeritus

The following individual earned emeritus

rank from the University for longstanding and productive years of service:

Michael P. Hottenstein, professor emeritus of operations management in The Smell College of Business Administration, from Jan. 1, 1963, to Jan. 1.

Putting around



Undergraduate student **Jaime Feeney** practices her putting during Golf 1. Feeney is taking the course, taught by Jay Willow, instructor in kinesiology, this summer on the University Park campus.

Photo: Greg Grieco

Center will provide airport demographics

Penn State Harrisburg and its Center for Survey Research are playing a pivotal role in the planned growth of Harrisburg International Airport.

The Susquehanna Area Regional Airport Authority announced it has reached a \$172,000 agreement with the center to perform a comprehensive market research program designed to determine areas where the airport can improve services.

As part of the agreement, the center will begin conducting research this month and continue over an 18-month period to define Harrisburg International Airport's customer demographics as well as provide background on the rationale air travelers may be using to choose other airports. In addition, the center's tracking surveys will

help delineate the effectiveness of the airport's ongoing marketing efforts.

Incorporated in 1997 to manage and oversee the economic development of the Harrisburg International and Capital city airports, the authority represents the first-ever regional effort to govern both facilities and provide coordinated efforts to serve the communities of Central Pennsylvania.

The Center for Survey Research is Penn State Harrisburg's primary resource for public and private organizations, faculty and students undertaking survey research. A unit of the Institute of State and Regional Affairs, the center provides a full range of customer-designed survey research services to public and private sector organizations.



New at Penn State

University, Microsoft help state officials join digital revolution

Picture a Pennsylvania attuned to the digital age, one that makes better use of taxpayer dollars, provides better constituent service, and is, in the phrase of the Commonwealth's chief executive, "friction free."

That's the goal of a series of seminars being delivered in Harrisburg by the School of Information Sciences and Technology (IST), Microsoft Corp. and Penn State Harrisburg.

With support from the state offices of Administration and Information Technology, the University and Microsoft have created a program to meet the individual needs of government professionals as they prepare for the new opportunities afforded by the digital revolution — opportunities that ultimately benefit the state's citizens. Tracks are specifically designed for executives, project managers and information technology developers. Successful completion of the program earns the participant a Penn State "e-Government Specialist" certificate.

James B. Thomas, dean of IST, is helping to conduct the seminar series along with these IST-affiliated experts: Cole Campese, director of education and training solutions; Shawn Clark, director of business solutions and assistant professor of information sciences and technology; Lee Giles, holder of the David Reese Professorship in IST; Jan Mahar, assistant director of business solutions; and Steve Sawyer, associate professor of information sciences and technology and associate professor of management science and information systems.

Working with the IST team is John Bagby, professor of business law with The Smell College of Business Administration, and Steve Wyant, an adjunct faculty member at Penn State Harrisburg.

Partnership allows military personnel to pursue academic goals

When Tom Scheidebantel was stationed at a U.S. Coast Guard post in Duluth, Minn., Penn State distance education courses were a welcome break from the long winters.

Scheidebantel started working toward a bachelor's degree in physics when he first shipped out. The distance education courses allowed him to continue to learn while he served in the Coast Guard.

A new partnership between the University's World Campus/Distance Education, the Army National Guard and the U.S. Coast Guard will make it easier for other military personnel to pursue their academic goals.

Through the new agreement, the University has been named a partner institution in the provision of distance education to soldiers, their spouses and civilian employees in the Army National Guard and Coast Guard communities. The University will

work with the Army National Guard Institute and the Coast Guard Institute Voluntary Education Program to deliver college courses anytime, anywhere. Students will participate in the courses from around the world through the World Campus and Independent Learning programs, earning the same degrees as those who attend campus-based programs.

Penn State DuBois business program offered in St. Marys

Elk and Cameron county residents can now earn a certificate in business leadership and an associate degree in business administration from the University through a new program starting this fall in St. Marys.

Penn State DuBois will offer courses for the certificate and associate degree at the Community Education Council located in the Mariensstad Center in St. Marys. Students who enroll full time can complete the associate degree in business administration with management option in two years. Classes begin Aug. 21.

The Business Leadership Certificate is designed to teach the critical management skills that business and industrial leaders need to function effectively in today's workplace. "Two computer courses are also integrated into the curriculum so entry-level as well as experienced leaders can expand and update much-needed technical skills," said Tricia Lukehart, community outreach coordinator for Penn State DuBois.

Students can complete the certificate in two semesters by taking two courses in the fall and spring.

Students who complete the core certificate and want to increase their own marketability may pursue a specialized certificate in one of three areas: human resources, marketing management and industrial business management.

Students also may pursue an associate degree in business administration with management option. In this option, students learn how to write a business plan, develop marketing strategies and improve their communication skills, Lukehart said.

Applications for the fall semester are being taken now. For information about the new program, financial aid or scholarship opportunities, visit Lukehart at the Community Education Council, Mariensstad Center, 4 Erie Ave., Suite 202, St. Marys, or call (814) 834-3593.

Competency credential offered in sonography

Practicing sonographers can earn a Diagnostic Medical Sonography (Ultrasound) Competency Credential, work toward a bachelor's degree, or receive noncredit instruction through an initiative this fall at Pennsylvania College of Technology.

Those taking the course work for the Diagnostic Medical Sonography Competency Credential can transfer the credits they earn to the applied health studies bachelor's degree program offered by the college's School of Health Sciences. Noncredit programming will be offered through Penn College's Technology Transfer Center.

The classes will be scheduled primarily on weekends, and distance-education and Web-based learning options will be available. Participants who complete all six content areas with 208 hours of instruction and 13 credits, and who have the requisite 1,200 hours of documented clinical practice, are eligible for a competency credential, which prepares practitioners to take their certification exams.

To be eligible for the Diagnostic Medical Sonography Competency Credential, applicants must document 1,200 hours of clinical practice, be a registered radiographer, a practitioner of sonography seeking certification eligibility or a senior student in the radiography program.

Sonographers preparing for ultrasound registration may wish to consider attending the ultrasound registry review sessions being offered July 13, 14 and 15 at Penn College. All registry review courses have been approved for continuing medical education credits.

For information about the registry review or to register for noncredit, continuing education courses in Diagnostic Medical Sonography, call (570) 327-4775 or send e-mail to ttcemail@pct.edu.

For information about the Diagnostic Medical Sonography Competency Credential and/or credit courses, call Robert Sloth, director of the Department of Radiography, at (703) 320-8007; e-mail rsloth@pct.edu; or check the Web at <http://www.pct.edu/schools/ultrasound>.

Innovative program aims to identify learning disabilities

Learning disabilities are most commonly diagnosed in children at the elementary or secondary school level. But with increasing regularity, college students are found to suffer from the same problems.

An innovative effort at Penn State Harrisburg and its sister campus, Penn State Schuylkill, is providing testing and intervention for students who suspect they, too, may have some type of learning disability.

A new effort, initiated by Thomas G. Bowers, associate professor of psychology, in conjunction with the college's Student Assistance Center, is now lending a diagnostic hand to students who believe they may be suffering from a learning disorder.

While the concept of diagnosing and treating young people for learning disabilities is relatively new at the college level nationwide, the Harrisburg and Schuylkill

campuses are incorporating ways for a select number of its qualified graduate students to help with the necessary testing and diagnosing, gaining valuable and practical career experience in the process.

At the two campuses, any student feeling he or she has a learning or attention disorder or personality problems having a negative impact upon academic functioning is encouraged to contact the Student Assistance Center and make an appointment with a counselor.

For more information, check the Web at <http://www.hbg.psu.edu/studaid/sac.htm>.

Penn State Beaver helps low-income youth DARE2XL

Among Pennsylvania school districts, the City of Aliquippa ranks second highest in the percentage of school-age children living in poverty. According to the latest Pennsylvania State Data Center statistics, this Beaver County district has a 43.2 percent child poverty rate in K-12 schools, nearly three times the statewide total of 15.7 percent.

With such high levels of poverty, many Aliquippa children face greater risks of depression, drug and alcohol use and low scholastic achievement, but an award-winning partnership between Penn State Beaver, the Housing Authority of Beaver County and TAME Inc. helps students overcome those risks and go on to develop excellent academic performance.

The program, called DARE2XL, was designed by TAME Inc., and Penn State Beaver implemented and coordinates the after school program in the community. DARE2XL — which stands for Dream, Aspire, Reach and Excel — provides comprehensive prevention, intervention and treatment activities designed to have a positive impact on the public housing communities of Linmar Terrace, Griffith Heights and Linmar Terrace Extension of the City of Aliquippa.

Donald E. Sheffield, director of Diversity Outreach Programs, assistant to the associate vice president for Outreach and Cooperative Extension and affiliate professor of education at Penn State Beaver, developed and directs the program.

In the DARE2XL program, local youth interact with teachers, professionals and Penn State Beaver education and sociology undergraduates trained in good study practices and high-performance techniques. According to Sheffield, this supervision of their study encourages them to do their best and helps them to learn in effective ways.

The involvement of education majors through Sheffield's "Early Field Experience" course (C&E 295) has benefited both the children and their Penn State tutors.

For the full story, check the Web at <http://www.outreach.psu.edu/News/>.



Awards

Air Force ROTC wins 2000/01 High Flight Award

The Penn State Air Force ROTC won the 2000/2001 "High Flight" award for the Air Force ROTC Northeast Region. This award gives the unit the distinction of being the best detachment among the 37 Air Force ROTC units in the northeast area.

This highly coveted award is given to the unit that displays the overall best academic record, retention of cadets, cadet activities, university relations, community service and innovation.

The unit received the only "Outstanding" rating given this year by the Air Education and Training Command's inspector general to any of the 144 Air Force ROTC detachments nationwide. Following its inspection, the unit continued to excel with a strong academic

record, more than 2,000 hours of service to the community, more than \$1 million in scholarship funding and dozens of "firsts" within ROTC and the community.

In fall 2000, the unit sponsored Tops In Blue, the Air Force's premiere music ensemble, and in spring 2001, it played host to a child through the Make-A-Wish Foundation.

The Penn State Air Force ROTC will go on to compete for the "Right of Line" award given annually to the No. 1 unit in the nation.

For more information about the Air Force ROTC program at Penn State check the Web at <http://www.airforce.psu.edu/>

York honors top teachers, advisers

Charles "Chuck" Kennedy, instructor in political science, and George E. Rutledge, part-time instructor in business administration, have been named the recipients of the 2001 James H. Burness Awards for Excellence in Teaching at Penn State York. The awards are given to an outstanding part-time and full-time faculty member based on nominations by students and other members of the campus community. The award is named in honor of the late James H. Burness, in recognition of his outstanding teaching and service to the campus since 1976. Burness died in December 1999.

In addition, William P. Cantor, instructor in information sciences and technology at Penn State York, was honored as the winner of the 2001 Penn State York Advising Award. The award, given by the campus Academic Affairs Committee, was established several years ago to recognize the importance of advising students.

Kennedy came to Penn State York in 1982 and has taught numerous political science and government courses.

Rutledge came to Penn State York in the spring of 1994 and has taught a variety of writing courses.

Cantor came to Penn State York in 1998.

Biochemist is a Pew Scholar

Song Tan, assistant professor of biochemistry, has been selected as a 2001 Pew Scholar in the biomedical sciences. He was one of just 20 scientists, selected from nominations from more than 120 institutions in the United States, to earn the award and is the first Penn State professor to be so honored.

The awards, provided by The Pew Charitable Trusts, a national philanthropy based in Philadelphia, are granted to "young investigators who show outstanding promise in the basic and clinical sciences." The awards are intended to encourage scholar-



Song Tan

ly innovation and to help scientists advance the state of knowledge in biomedical fields.

A faculty member since 1998, Tan uses X-ray crystallography to visualize proteins involved in gene regulation.

Since 1985, The Pew Charitable Trusts have provided more than \$69 million for the support of 340 scholars.

Each of this year's scholars, who are junior faculty members at medical schools and research institutions across the United States, will receive a total award of \$240,000 over a four-year period.

National Science Foundation award presented

Joan Redwing, assistant professor of materials science and engineering, has received a National Science Foundation CAREER Award.

The CAREER Program offers the foundations most prestigious awards, supporting the early development of exceptionally promising college and university faculty. The awards range from \$200,000 to \$500,000 for a period of four to five years.

Redwing received the award to pursue studies of stress and polarization effects in

AlGaInN-based materials and device structures. Over the next five years, her group will investigate the synthesis and properties of strained AlGaInN heterostructures using real-time stress measurements combined with structural and electrical characterizations.

The research will further fundamental knowledge of polarization effects in the group III-nitrides and provide new insights into the mechanisms of stress relaxation in GaN-based thin films and heterostructures.

COMMONWEALTH COLLEGE FACULTY PROMOTIONS

The following members of the Commonwealth College faculty have been promoted to the rank of senior instructor. These regular, full-time faculty who are not on the tenure track have been promoted to recognize their cumulative exceptional accomplishments and contributions. Promotions were based on consistently demonstrated outstanding merit in teaching and related activities and service.

James Adams, English, McKeesport

Carolyn Bare, math, York

Richard Barrett, business, Delaware County

Russell Colli, arts and humanities (speech), McKeesport

Richard Cupelli, business (business logistics), Fayette

James Elder, arts and humanities, Shenango

Stuart Erwin, arts and humanities (French), Hazleton

Russell Filburn, arts and humanities (speech communication), Fayette

Germaine Fotta, engineering (computer science), Fayette

Suzanne Gladfelter, engineering (IST), York

Doris Griffith, health and human development, Delaware County

Marlene Guers, math, Hazleton

Gail Keating, English, Worthington Scranton

Ross Kester, engineering, DuBois

Julie Papadimas, English, Shenango

Paul Perrone, English, Worthington Scranton

Donna Rhodes, health and human development, McKeesport

David Richards, engineering, Hazleton

Daniel Styduhar, engineering, Shenango

John Terrell, business (accounting), Delaware County

Lee Vercoe, engineering (computer science), McKeesport

Susanne Waitkus, engineering, DuBois

Sam Zabec, engineering, McKeesport

Computer support assistant cited

Donna Ballock, computer support assistant at University Park, is the 2001 winner of the Outstanding Office Professional Award given by the Penn State Educational Office Professionals.

This award recognizes an office employee who has provided exceptional meritorious service on behalf of the University. Criteria for selecting the recipient include professionalism, leadership skills, resourcefulness, problem-solving skills, quality of work,

continuous quality improvement and positive attitude.

Ballock joined the University in 1988 and has served in Human Development and Family Studies for 12 years. She is the computer support assistant for more than 100 computers in the department and consults on use of various computer programs. She maintains the department's Web site and assists faculty in developing and using Web sites for use in the classroom.

3 employees win Library Awards

Nancy L. Eaton, dean of the libraries, recently honored three employees for their hard work and dedication.

Debora Cheney, head of the Social Sciences Library, received the 2001 University Libraries Award. The award recognizes professional contributions that have a significant influence on the libraries and that bring recognition to the libraries.

Sandra Armstrong, staff assistant, Dean's Office, and Mary Hosterman, part-time reference assistant, Business, Social Sciences and Maps Libraries, each received the 2001 Margaret Knoll Spangler Oliver Libraries Award. It recognizes employees who have worked part time or full time for at least one year, and who present strong interpersonal skills and competency in their position.



Focus on Research

Polar ice may hold keys to rapid climate change, researcher says

By ANDREA MESSER
Public Information

Climate always changes and what we are used to today is about as stable as climate gets, according to a University glaciologist who has investigated climate records from both poles.

"Today, because of the circulation of the Atlantic Ocean, we can grow roses in Norway and we have been able to do that for a long time," said Richard Alley, Evan Pugh professor of geosciences. "But there is no such thing as a stable climate; if the warm current were not there, we would see more polar bears and fewer roses."

While ice ages that come on over tens of thousands of years have periodically covered large areas of the globe with glaciers, Alley is more concerned with rapid climate changes — within a decade — that effect the northern and southern hemispheres differently.

"The secret of why the whole world rides a roller coaster in the ice age and freezes and thaws is probably greenhouse gases, especially carbon dioxide," Alley said. "The seesaw effect of rapid climate change is probably caused by ocean circulation and the keys to this change are locked in the polar ice."

While during an ice age the whole Earth becomes cold together and warms up together, episodes of rapid climate change have chilled only the northern Atlantic and warmed the area around Antarctica or warmed the Atlantic and cooled Antarctica. Normally, warm surface water off the coast of Brazil moves northward toward Scandinavia. When the current reaches the areas of cold air, the water cools, becoming more dense, and sinks. This sinking current then travels down to the tip of South America.

If something interrupts this current, the north becomes cold and can rapidly freeze while the heat south of the equator remains there. The north becomes cold and the south becomes warm.

Ocean circulation

Despite the frozen north, the trade winds continue to blow westward over the Atlantic and the isthmus of Panama. The moisture picked up by the winds rains out in the Pacific, leaving the Atlantic saltier. Pacific rain never makes it to the Atlantic because of the large continents in between, and the salty water that used to leave the Atlantic around the tip of South America cannot because the current no longer flows. Eventually, the Atlantic becomes salty enough that the sinking resumes and turns on the ocean circulation.

"We don't know how this cycle begins, nor do we know geographically where the salty water begins to sink to return circulation. However, this pattern of cold north with warm far south has occurred repeatedly," Alley said.

With global warming, more precipitation in the far north and melting of glaciers there may freshen the north Atlantic and slow or stop the ocean circulation.

"If this happens in the near future, then the north may become colder even though global warming is affecting the rest of the world," the researcher said. "However, ultimately, the warming will take over and not just the mountain glaciers, but the Greenland glacier could melt as well."

What will melt under various conditions is difficult to predict. The mountain glaciers, which are currently melting, will raise sea level only a little. If Greenland melts, it will raise sea levels much higher. While these sea-level increases will be noticeable and perhaps inconvenient, people will adapt to them, according to Alley.



Richard Alley, Evan Pugh professor of geosciences, stores ice samples in his lab. Alley says that rapid climate change is probably caused by ocean circulation.

Photo: Greg Grieco

High impact, low probability

"The question always asked is if the West Antarctic Ice Sheet will fall into the ocean in the next 100 years," said Alley. "This event would have high impact on continental shores and terrestrial lowlands. It is a low probability event, but not a zero possibility."

The mountain glaciers only hold enough frozen water to raise sea level a foot or two if they all melt. Greenland could melt over many millennia, raising sea level 20 feet or more. However, changes in West Antarctica could raise sea level 20 feet in centuries or faster. To monitor the potential for the unlikely event of West Antarctica melting and to try to predict and plan for rapid climate change, researchers must continue to study the past climate record locked in the frozen poles, according to Alley.

Andrea Messer can be reached at aem1@psu.edu.

Smeal College researchers push the digital frontier

Ten faculty members and researchers in The Smeal College of Business Administration have contributed chapters to the new book, *Pushing the Digital Frontier: Insights into the Changing Landscape of E-Business*.

Created under the auspices of the University's eBusiness Research Center, *Pushing the Digital Frontier* contains in-depth analysis by thought leaders from the corporate and academic worlds.

"The pace of change in the 'e' environment is fast and multifaceted. The book addresses all the current and emerging e-business issues that executives and managers cannot afford to overlook," said Nirmal Pal, director of the eBusiness Research Center. He co-edited the book with Judith Ray, senior research associate at the center. Pal and Ray also co-authored the book's introduction.

Pal explained that the book offers the latest research findings along with examples of what organizations are doing to transform themselves from traditional firms to successful e-businesses. The book also provides guidance on how organizations can leverage old economy fundamentals in the new world and restructure for e-responsiveness.

"It is difficult for one person to build expertise in all areas of e-business and its implications. That is why we gathered together a blue ribbon panel to write various chapters of this book, with individual authors drawing from their personal experiences and expertise in their areas of focus," said Pal.

Judy Olian, dean of Smeal College, co-authored the book's foreword. Other contributors from Smeal College include Fariborz Ghader, director of the Center for Global Business Studies; Rock-Lee DeWitt, associate professor of management and the associate dean of professional master's programs; Michael E. Brown and Kevin G. Corley, doctoral-degree students in management and organization; Dennis A. Gioia, professor of organizational behavior; Hemant K. Bhargava, professor of management information systems; and Albert A. Vicere, professor of business administration.

The idea for the book took shape in June 2000, during an eBRC workshop in Washington, D.C., Ray said.

Pushing the Digital Frontier is published by AMACOM, the publishing division of the American Management Association.

Department of Public Information
312 Old Main, University Park,
PA 16802

Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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New road coming soon



Work is in full swing on construction of the new entrance to the core of the University Park campus. The road will connect Atherton Street and Curtin Road, replacing Pollock Road as the main vehicular entrance to the University from Atherton Street. The existing parklike woodland between Rec Hall, the Nittany Lion Inn and Nittany Lion Shrine will remain intact, while the parking lot that had been in front of the shrine will be replaced by a significantly enlarged civic space.

Photo: Annemarie Mountz

9 attain public scholarship associate grants

Throughout the United States, more undergraduates than ever before are engaged in volunteer community service, but their attitudes toward civic engagement have reached record lows. A growing group of faculty hopes to change student attitudes and stimulate learning by turning to models of "public scholarship."

"Public scholarship is not just service where you volunteer in a soup kitchen or spend time at a nursing home; it is really the act of bringing scholarship to bear to support the community," explained Jeremy Cohen, associate vice provost of Undergraduate Education. Cohen is the director of the University's Public Scholarship Associates.

Beginning this summer, a new partnership between Outreach and Cooperative Extension and the Office of Undergraduate Education is providing support to faculty who want to incorporate public scholarship into their undergraduate courses. Out of 50 candidates, five faculty members have been awarded Course Development and Enhancement Grants to design learning

"Public scholarship is not just service where you volunteer in a soup kitchen or spend time at a nursing home; it is really the act of bringing scholarship to bear to support the community."

Jeremy Cohen
associate vice provost
of Undergraduate Education

activities that link academic content and objectives with community problem solving. Together, the 2001 award recipients will incorporate public scholarship into courses that reach nearly 500 students per semester.

The five grant recipients are Stephen R. Couch, professor of sociology; Nancy Kurtz, internship coordinator and instructor in human development and family studies;

Peter E. Linehan, assistant professor of forestry at Penn State Mont Alto; Rebecca Moore Peterson, instructor of biology; and Shannon Sullivan, assistant professor of philosophy and women's studies.

In addition to these grants, the Center for Excellence in Learning and Teaching provided funding for another four public scholarship faculty whose proposals met the criteria for the Fund for Excellence in Learning and Teaching (FELT). FELT grants were awarded to Samuel Dennis, instructor of landscape architecture; Kevin Galbraith, assistant professor of health and human development at Penn State Altoona; Christine Gorby, assistant professor of architecture, working with Michael Rios, assistant professor of architecture and director of the Hamer Center for Community Design Assistance; and Nancy Love, associate professor of political science and speech communication.

All nine faculty will join the Public Scholarship Associates in moving forward with a University-wide agenda for public scholarship.



Intercom

INFORMING THE PENN STATE COMMUNITY

JULY 26, 2001

\$7 million gift puts campaign over \$1 billion mark

By LAURA STOCKER
University Relations

A \$7 million gift from alumni J. Lloyd and Dorothy Foehr Huck has put The Grand Destiny Campaign over its original goal of \$1 billion, Campaign Chair James S. Broadhurst told the Board of Trustees on July 17.

The Hucks' gift will support scholarships in the Schreyer Honors College, a dean's discretionary fund in the College of Medicine and construction of the new Life Sciences Building at the University Park campus. This most recent gift, their second major commitment since the beginning of the Grand Destiny campaign in 1996, brings

their total philanthropic support to the University to \$21.5 million.

In May, the Board of Trustees, responding to the need for more resources for students, faculty and programs, voted to increase the campaign goal to \$1.3 billion.

"The Hucks' generosity helps continue the campaign's momentum as we begin the

final two years of our fund-raising effort," said Broadhurst. "A number of donors, like Lloyd and Dottie, having seen the good stewardship and positive impact of their previous gifts, are making another commitment to some of the campaign's new initiatives."

Gift, page 3

Fostering Diversity Commission to explore 'enhanced mandate'

By JULIE A. BRINK
Public Information

John Tippeconic III, professor of education and director of the American Indian Leadership Program, is taking over the reins of the Commission on Racial/Ethnic Diversity (CORED) during a pivotal point in its history.

This past spring, students angered by hate mail and death threats to black students staged a rally and occupied the HUB-Robeson Center for several days. Out of that occupation came the endorsement by University administrators and members of the student Black Caucus of a broad diversity plan for the institution. In part, the plan stated: "The Commission on Racial and Ethnic Diversity will be given an enhanced mandate to review and advise on diversity plans." The plan also recommends increasing student commission members from four to six.

Being the commission chair as it explores an "enhanced mandate" will be a challenge, Tippeconic said, but a "good challenge to help move the commission forward and to make it more active than it has been in years past."

CORED has been around since 1989 when it was instituted by then-President Bryce Jordan. It advises the University president on issues on all matters that relate to ethnic and cultural diversity on all campuses. The commission of about 30 members deliberates on issues, evaluates programs and identifies areas where policies need to be revised as well as recommending diversity initiatives.



John Tippeconic III, professor of education and director of the American Indian Leadership Program, is the incoming chair of the Commission on Racial/Ethnic Diversity.

Photo: Greg Gracco

The commission chair has a term of one year.

Alicia Bunnell, contracts negotiator in the Office of Sponsored Programs, is the outgoing commission chair and has worked closely with Tippeconic as the commission has addressed issues regarding implementing the framework.

"John's a team player, and as a tenured faculty member

Fostering Diversity, page 3

Trustees OK budget

By ANNEMARIE MOUNTZ
Public Information

A smaller-than-expected appropriation from the state this year — a 0.86 percent increase in the overall appropriation — coupled with another round of internal budget cuts, has resulted in a lean operating budget for the University. Penn State's Board of Trustees on July 17 approved a total operating budget of just under \$2.3 billion for the 2001-02 fiscal year beginning this month.

This budget reflects changes of just under \$94.6 million in general funds, restricted funds and auxiliary enterprises, which is an increase of 5.4 percent over last year's budget. In addition, changes of \$34.8 million for medical center operations were approved June 21 by the Milton S. Hershey board.

Budget, page 2

Tuition increase is 7.76 percent

By ANNEMARIE MOUNTZ
Public Information

The Board of Trustees has approved a 7.76 percent tuition increase for the 2001-02 academic year. This includes a base tuition increase of 5.76 percent and an additional increase of \$66 per semester to support special initiatives in salaries and facilities.

"I want to emphasize the factors behind this year's tuition increase," President Graham B. Spanier told the board on July 17. "We have had to turn to tuition to help support five critical areas where we simply must move forward to protect Penn State's quality."

Those five areas are: competitive salary increases; employee benefits; capital improvements, including new facilities, renovations and deferred maintenance; information technology; and academic initiatives.

"I know there is some concern about the level of this

Tuition, page 3

Budget

Continued from page 1

President Graham B. Spanier told the board that the budget reflects the University's goal of maintaining the resources that enhance students' educational experiences.

"We want to continue to lead the country in the area of information technology by supporting the School of Information Sciences and Technology as well as technology initiatives in the libraries and elsewhere on campus," Spanier told the board. "The University is in the midst of a six-year plan that focuses on four interdisciplinary academic program initiatives that are of strategic importance to the Commonwealth. We will continue to invest in the interdisciplinary initiatives in life sciences, environmental studies, materials science, and children, youth and families."

The budget also reflects some cutbacks.

"The \$5 million line-item for program initiatives that was in our budget last year was eliminated," Spanier reported. "Last year's special funding of \$2 million for Penn College also was eliminated" in the state appropriation, he said.

The state appropriation for Cooperative Extension increased by \$809,000, but this increase is short of the cost increases needed to maintain programs at their current levels.

The proposed changes for agricultural research echo the changes for Cooperative Extension. The state appropriation increased by \$705,000; however, due to increased costs in salaries and benefits, there will need to be some program reductions as well.

Internal reductions of \$3.68 million also are reflected in the budget. These reductions amount to 1 percent of the departmental operating budgets of all colleges and support units at University Park, continuing the University's program of budget reductions and reallocations for the 10th consecutive year. Under the cost center budgeting model, each cost center is responsible for reallocating resources internally to address the University's highest priority academic and support unit needs. Other campus locations also reallocate internally to help fund their highest priorities.

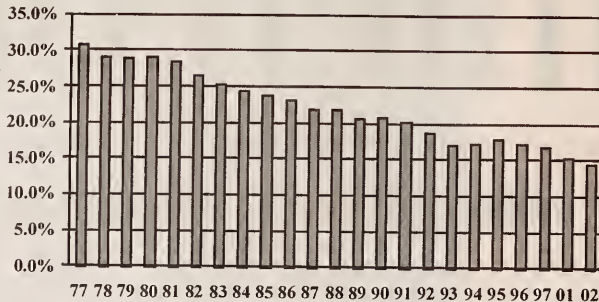
Because the state capital funds already approved will not be sufficient to meet the University's most critical needs, the University has established an ongoing general funds budget, funded by a portion of the tuition rate increases, to support the capital improvement program.

"Over the next decade, Penn State's progress will be linked significantly to the quality of the facilities that are available to carry out its educational programs," said Spanier. "Increasing numbers of students and faculty, changing technology, more interdisciplinary programs and a growing research program have led to a serious space problem for the University. Insufficient or inadequate space has become a serious impediment to a growing number of academic programs."

Over a six-year period, this investment will allow the University to incur an additional \$180 million of debt for capital construction and renovation projects over and above what might be received from the Commonwealth. It also will provide the associated operating expenses for facilities that will be built from these funds. A total of \$4.46 million is included in the budget plan for 2001-02, the third year of this program.

The single largest component of the total operating budget is the general funds budget. For 2001-02, more than 61 percent of the total budget, or \$1.13 billion, comes from general funds dollars. The components of the general funds budget include: the Educational and General budget, which supports most of the University's basic teaching, research and public service programs; the budgets for Agricultural Research and Cooperative Extension, which remain separate from the Educational and General budget by virtue of their separate line-item funding; the College of Medicine at The Milton S. Eshersky Medical Center; The Pennsylvania

The Pennsylvania State University State Appropriation As a Percent of Total Budget



Note: Fiscal years 1998, 1999 and 2000 are excluded because the University Hospital was affiliated with the Penn State Geisinger Health System, and therefore not included in Penn State's budget.

Source: The Pennsylvania State University Budget Office

College of Technology; and The Dickinson School of Law.

Tuition contributes 29.4 percent of the total budget, with the state appropriation contributing 14.6 percent. Each year, the state appropriation funds a smaller percentage of the University's total budget, with tuition funding a larger portion.

An increase in the student information technology fee will provide critically needed funds for improvements in libraries and information technology. Limited new funding is included for colleges and support units.

A total of \$1 million is included in the budget for Information Sciences and Technology (IST) as the University continues its multi-year development plan for the new school. For 2001-02, the state is providing an additional \$812,000 for the line-item appropriation for IST, bringing the total appropriation for IST to \$5.3 million. Also, the first class of IST students will reach its junior year in 2001-02, and begin paying the surcharge of \$750 per semester. The surcharge, which was approved by the board in 1999-2000, applies to upper-division and graduate students enrolled in IST programs. It will result in additional funding of \$188,000.

"We are once again placing a high priority on attracting and retaining the highest quality faculty and staff, including providing competitive salary increases," Spanier told the board. "Our salary increases have lagged those of peer institutions during the last six years, making it critically important to focus on this aspect of the budget so the quality of our faculty and staff does not erode."

To that end, salary adjustments represent the largest component of the changes in the educational and general operating budget. For 2001-02, the budget includes \$16.4 million for recommended salary increases and \$3.6 million for related benefits, for a total of \$20 million.

"The University continues to be committed to awarding salary increases principally on the basis of merit as determined by annual evaluations," Spanier said. "A salary increase pool of 3 percent will be used for merit-based increases and for market, equity and compression considerations for groups or individuals within the unit."

In addition, Spanier has set aside additional money for the Faculty/Staff Excellence Fund and the President's Excellence fund to supplement the salary increase pool and

help to raise the competitiveness of the University's salaries.

Penn State average faculty salaries have slipped compared to the other public big Ten institutions and 22 public institutions participating in the American Association of Universities Data Exchange.

The University is committed to complying with federal and state environmental regulations and is working diligently to keep pace with new mandates. A total of \$250,000 is being allocated to address environmental protection issues that will allow the University to improve air quality, ensure the quality of the water supply, enhance hazardous waste materials management and remediate contamination of some of its land.

Other components of the budget include: \$2.55 million for maintenance and operation of new facilities; \$1 million for deferred maintenance; \$1.35 million for interdisciplinary initiatives; and \$2 million for libraries and information technology.

The total 2001-02 operating budget for the College of Medicine is slightly more than \$124 million. The budget includes \$75.1 million for general funds, \$45 million for restricted funds and \$3.9 million for auxiliary enterprises. When combined with the budgeted expenses and income of \$463.9 million for The Milton S. Eshersky Medical Center, a subsidiary corporation within Penn State that was formed to operate the clinical activities, the budget for the entire medical center operation for 2001-02 is nearly \$588 million.

The total 2001-02 operating budget for The Pennsylvania College of Technology is \$80.76 million. This includes the general funds budget of \$61.7, restricted funds of \$7.98 million and a budget for auxiliary enterprises of \$11.06 million. The budget reflects a reduction of \$576,000, due in part to the elimination of the special funding for the college that was included in last year's state appropriation. Also included is a drop in restricted funds from the close-out of a number of multi-year projects.

The Dickinson School of Law operating budget is \$14.8 million. This includes a general funds budget of \$11.93 million, restricted funds of \$2.56 million and \$339,000 for auxiliary expenses.

Annemarie Mountz can be reached at AMountz@psu.edu.

Tuition

Continued from page 1

year's tuition increase, and 1 share that concern," Spanier said. "However, without investment in these five areas at the present time, there would be even greater concern about Penn State's academic leadership and educational quality. We cannot afford to lose sight of our basic mission to provide quality education for the Commonwealth."

With tax dollars now supporting less than 15 percent of Penn State's overall budget, the University has had to increasingly turn to tuition revenue to fund those areas. Other areas, including Cooperative Extension and agricultural research, are seeing program cutbacks as a result of this year's state funding levels. This year, tuition money will contribute 29.4 percent of the total budget, with the state appropriation contributing 14.6 percent.

The University also has made internal budget reductions totaling nearly \$3.7 million. These reductions amount to 1 percent of the departmental operating budgets of all colleges and support units at University Park, continuing the University's program of budget reductions and reallocations for the 10th consecutive year. Under the cost center budgeting model, each cost center is responsible for reallocating resources internally to address the University's highest priority academic and support unit needs. Other campus locations also reallocate internally to help fund their highest priorities.

The University's tuition increase falls well below the Big Ten average of 10 percent for 2001-02. The increase at the University of Illinois is 18.4 percent for incoming freshmen. At Minnesota, tuition will rise by 13.4 percent.

Tuition for resident lower-division undergraduates at University Park, Erie and Harrisburg will increase by \$254 per semester. Tuition for resident lower-division students at Abington, Altoona and Berks will increase by \$250 per semester. Students attending the 12 campuses in the Commonwealth College will pay an additional \$26 per semester.

For upper-division students at University Park, Erie and Harrisburg, the increase is \$267 per semester. At other locations the increase in this category is \$257. Graduate students at all locations will see an increase of \$284 per semester.

The plan also incorporates the second year of a three-year plan to establish a differential tuition rate for upper-division and graduate students in business administration at the University Park, Abington, Altoona, Erie, Harrisburg and Schuylkill campuses. Tuition for business students will increase this year by an additional \$90 per semester to reflect the higher cost of instruction in these programs. Upon completion of the plan, the tuition differential for business students will be equivalent to the laboratory and clinical surcharge which is applied to the tuition of upper-division and graduate students in engineering, science and other selected programs.

Students also will see an additional \$15 increase in the current \$115 per semester information technology fee. This increase will help to support the rapidly expanding technology needs of the students.

A \$3 per semester increase in the student activities fee at participating campuses will generate an estimated \$379,000. These funds will be made available to each campus for allocation by its campus student activities fee committee.

The tuition rate increase for doctor of medicine students in the College of Medicine at The Milton S. Eshery Medical Center is 7 percent. The tuition increase for Dickinson School of Law students is 7.5 percent.

Annamarie Mountz can be reached at AMountz@psu.edu.

Fostering Diversity

Continued from page 1

and director of American Indian Leadership Program, he brings to the commission several strengths," she said. "He has good insights as to how the University system works and how to get things done."

The new chair-elect, Lourdes Diaz Soto, also looks forward to working with Tippecanoe.

The commission has revised its bylaws, redefined its focus and re-engaged into a proactive mode.

Tippecanoe said CORED is committed to and has endorsed the diversity enhancement plan that came out of the HUB occupation in May. CORED met with President Graham B. Spanier in mid-June to set the groundwork for the commission's enhanced mandate. Tippecanoe termed the meeting "productive and a good exchange about CORED's enhanced role."

As the new chair, Tippecanoe looks forward to the commission taking a more proactive stance. He wants to see increased interaction and communication with students and student organizations, faculty, staff and alumni.

"We hope that the overall purpose of CORED will be enhanced, including communication and interaction with the president," he said. "We'll be more active and, hopefully, called upon to advise the president more."

To build upon what happened last spring, outstanding issues need to be dealt with.

"The hate mail and issues of safety need to be continually evaluated and addressed," he said. "The overall plan to enhance diversity represents a beginning. We don't see it as a plan that once implemented is going to solve everything. We endorse what took place and support the increase in support for the

African-American studies department, the establishment of an Africana Research Center and the other actions contained in the plan. However, we see the plan as a start that will continue as the needs of other ethnic groups are addressed. We are concerned about the inclusiveness of all groups."

Tippecanoe cited the "Framework to Foster Diversity at Penn State: 1998-2003," the University's five-year plan for improving the diversity environment on campus.

"It's not a bad plan, there are good challenges and goals in the plan," he said, urging more accountability for failure to address the goals. "We should hold different entities accountable, with rewards for those who do a good job implementing the plan promoting diversity and sanctions for those who don't."

For several years, the commission has emphasized the recruitment and retention of minority faculty; the commission plans to continue with this issue.

"I'm concerned that Penn State is not making significant progress," Tippecanoe said. "Over the years we have hired as many faculty of color as we have lost. We need better ways to hire, promote and retain them."

Tippecanoe listed four reasons that he believed are preventing the University from reaching that goal. In some cases, minority faculty members are the only people of color in their department.

"It can be difficult if they are alone without a support system," he said.

In other cases, their research, teaching and service may not be valued by departments, colleagues, peers and promotion and tenure committees.

"For example, faculty of color may not be published in the types journals others see as important," he said.

Thirdly, Tippecanoe cited the environment. Central Pennsylvania does not have a diverse population and faculty of color may not feel a sense of community here. The last reason is that minority faculty get better job offers and move on, he said.

Tippecanoe suggested hiring new faculty of color in clusters in a department, which would provide an instant support group for them. "We can't address the issue of faculty retentment in isolation," he said. "More faculty of color will bring in students of color. We need to go after the both faculty and students and provide support for them."

CORED "has to take a hard look at recruitment and retention," according to Terrell Jones, vice provost for educational equity. He said the commission goals dovetail very well with the University's diversity plan.

"Several of these challenges are very specific and speak to the goals and missions of CORED," Jones said of the disparity between majority and minority faculty and staff retention. "We must do more to create an environment that is accepting. All of those are clearly things the commission is working on."

Tippecanoe said he was optimistic about the future of racial and ethnic diversity at Penn State, but that he would like to see fragmented segments of University working together.

"There are a number of activities on campus that address diversity. Good people are connected to these programs and activities," he said. "They have experience, knowledge and wisdom that we need to take advantage of to improve diversity at Penn State."

Julie A. Brink can be reached at jab81@psu.edu.

Gift

Continued from page 1

Lloyd Huck is retired chairman of the board of the pharmaceutical firm of Merck & Co., and served as a Penn State trustee from 1977 to 1992, including three years as president of the board. Dorothy Huck has held volunteer leadership positions with the University Libraries and the College of Health and Human Development. The Hucks, of Morristown, N.J., are graduates of Penn State's class of 1943.

The Hucks have a long history of supporting Penn State. Since 1988, they have endowed four faculty chairs in medicine, health and human development, science and the libraries; elevated a professorship in medicine to a chair; supported construction of Wartik Laboratory in the Eberly College of Science; created a biotechnology innovation fund, a University Libraries acquisitions fund and funds to support faculty chair activities; created student scholarships in science, health and human development, and medicine; and created a graduate fellowships fund for all fields.

The Hucks designated their new gift as follows:

■ \$2.5 million for the J. Lloyd and Dorothy Foehr Huck Honors Scholarships in the Schreyer Honors College, to recruit academically talented students.

■ \$2.5 million to establish the J. Lloyd and Dorothy Foehr Huck Dean's Discretionary Fund, to be used at the discretion of the dean of the College of Medicine at The Milton S. Hershey Medical Center, in order to advance the biomedical sciences and their ultimate application to healing.

■ \$2 million to support the construction of the Life Sciences Building between Eisenhower Auditorium and the Jacob Thomas Building on the University Park campus.

Lloyd Huck serves on the steering committee of The Grand Destiny Campaign, and Dorothy Huck serves on the campaign committee in the College of Health and Human Development.

Laura Stocker can be reached at lstocker@psu.edu



From the Trustee Docket



This photo montage takes an existing photo looking to the north that shows the Water Tunnel Building to the left and the proposed computer generated IST Building bridging Atherton Street on the University Park campus. The Board of Trustees approved final plans for the building on July 17.

University enters final year of current strategic plan

Now in the final year of its five-year strategic plan, the University is reflecting on the results that have emerged over the past few years, and focusing on the next cycle of planning activities.

"Strategic planning continues to improve Penn State's efficiency, effectiveness and our joint sense of purpose in creating academic excellence," Rodney Erickson, executive vice president and provost, told the Board of Trustees on July 16.

The strategic plan, "Academic Excellence: Planning for the 21st Century," is a 34-page document that contains goals and strategies to strengthen the core missions of Penn State and move it into the year 2022. The overarching goals of the plan include enhancing academic excellence and enriching the educational experience of Penn State students, building a more considerate and civil community, and serving people — while identifying new revenue sources and reducing costs. Erickson told the board that these remain clear goals for the University to pursue in the coming years.

For the full story, visit <http://www.psu.edu/ur/2001/bot17jul01goals.html>.

World Campus launches online MBA program

The Board of Trustees approved an online MBA degree on July 17. The Penn State Intercollegiate Master's in Business Administration (IMBA) represents a collaboration among business faculty from Penn State Erie, Penn State Great Valley, Penn State Harrisburg and The Smect College of Business Administration.

The IMBA courses are designed and taught by a University-wide faculty group and will be delivered through Penn State's World Campus. John Fizez, professor of economics at Penn State Erie, is interim IMBA chair.

For the full story, visit <http://www.psu.edu/ur/2001/bot17jul01imba.html>.

Board approves IST building plans

The Board of Trustees on July 17 approved final plans for the new building on the University Park campus that will house the School of Information Sciences and Technology (IST) and the Department of Computer Science and Engineering, and authorized

the University to obtain bids and award contracts for the project.

The IST Building will contain state-of-the-art classrooms as well as experimental labs and other facilities allowing faculty and students to teach and learn in immersive environments via high-end simulation. It is designed by Rafael Viñoly/Perfido Weiskopf Joint Venture of New York and Pittsburgh, and has a total project budget of \$56.9 million.

For the full story, check the Web at <http://www.psu.edu/ur/2001/bot17jul01ist.html>.

MBNA building, other projects OK'd

The Board of Trustees on July 17 approved final plans for the new MBNA Career Services Building and additions to the Nittany and Eisenhower parking decks, all at the University Park campus, and authorized the University to obtain bids and award contracts for the projects.

For the full story, visit <http://www.psu.edu/ur/2001/bot17jul01miscpp.html>.

Junker Center named at Penn State Erie

The Board of Trustees on July 17 approved naming the new athletic facility at Penn State Erie in recognition of Trustee Edward P. "Ted" Junker III, his wife Barbara Frederick Junker and their family.

The Athletics and Recreation Center honors the Junkers' longstanding commitment and generosity to Penn State, especially their support of Penn State Erie's athletics program, which they endowed with a major gift in 1997. Erie residents, Ted and Barbara Junker graduated from the University in 1959 and 1957, respectively.

Ted Junker has been a University Trustee since 1986 and served as chairman of the board from 1998 to 2001. He is a director and past chair of the Council of Fellows at Penn State Erie. He also is a volunteer leader of Penn State Erie's segment of the Grand Destiny campaign and serves as a member of the campaign's steering committee.

For the full story, visit <http://www.psu.edu/ur/2001/bot17jul01junker.html>.

LECTURES

Conference connects undergrad scholars

More than 350 low-income, first-generation and/or underrepresented undergraduates from across the country will meet at The Penn State Conference Center Hotel from Aug. 3-5 for the ninth annual Penn State McNair Research Conference.

They will present summer research findings to a national audience, network with professionals and other students in their areas of discipline and meet with graduate school representatives from around the country as well as learn from experts on how to best prepare for graduate school.

The conference is part of the Ronald E. McNair Post-Baccalaureate Achievement Program, a national initiative to prepare students who are underrepresented in graduate schools to enter doctoral programs and succeed. Ronald E. McNair was a member of the crew of the Challenger space shuttle that was destroyed on launch in the 1986 explosion. Currently 156 colleges and universities across the country, including Penn State, hold McNair programs.

Keynote speaker is Bertice Berry, an award-winning lecturer, sociologist and best-selling author.

For information about this conference or the Penn State Ronald E. McNair Scholars Program, call Teresa Tassotti at (814) 863-8195.

Creating new value theme of conference

Several of the nation's leading researchers and practitioners on business-to-business marketing are among the speakers for an upcoming conference to be held by the University's Institute for the Study of Business Markets (ISBM).

The 18th Annual ISBM Members Meeting is scheduled to take place Aug. 23-24 at the Nittany Lion Inn on the University Park campus. The theme of the meeting is "Business Marketing Beyond the Product: Combining Products, Services, Know-How and Brand to Create New Value in Today's Markets."

The speakers include Adrian Slywotzky, vice president of Mercer Management Consulting; Steve Brown, executive director of the Center for Services Leadership at Arizona State University; Tom Esposito of the Insight Group; and Don Schultz, professor of integrated marketing at Northwestern University.

For information about the conference, call (814) 863-2782 or e-mail ISBM@psu.edu.

Registration information is online at <http://www.smeal.psu.edu/isbm/seminars/businessmarketing.htm>.

University prepares to welcome record number of freshmen

The University is welcoming a record number of new freshmen this summer and fall. Included in the group of new freshmen is the largest class of minority students enrolled in any prior year. About 6,300 new freshmen are anticipated at the University Park campus, along with another 7,300 students expected at the University's other undergraduate campuses.

The number of minority freshmen paid acceptances to the University Park campus for 2001-2002 rose more than 12 percent compared to last year's record high — from 862 to 968, according to the latest numbers compiled by the University's Office of Admissions. Total freshmen paid acceptances at University Park are projected to be up 8.5 percent.

Overall, freshmen paid acceptances systemwide are up nearly 4 percent compared to this time last year — from

13,145 to 13,630. University-wide, paid accepts from all minority groups are up 7.5 percent, from 1,871 to 2,012. Paid accepts are students who have accepted offers of admission and have paid their admission fees to Penn State.

"Penn State's overall enrollment growth is consistent with a controlled modest growth plan we have pursued since 1995. And the continued growth in minority enrollment at Penn State is something that we have worked hard to make happen," said President Graham B. Spanier. "We especially welcome the success of our efforts to improve the racial and ethnic diversity of our entering students because all of our students benefit from learning and living in a diverse population such as the one they will experience when they graduate."

Total minority freshmen paid accepts systemwide includes 776 African-Americans, 773 Asian/Pacific

Islanders, 451 Hispanic students and 12 Native Americans. Among the reasons for the University's substantial gains in minority enrollment are an increased emphasis on minority student retention programs, a greater commitment to the recruitment of academically gifted minority students and enhanced outreach efforts by the undergraduate admissions office's Community Recruitment Centers. In addition, specialized programs for minority students — such as Fast-Start, a mentoring program involving faculty, staff and alumni, have helped minority students excel in their first year in a new campus environment.

For the 2000-2001 academic year, the University's minority enrollment of students from freshmen through doctoral levels reached an all-time high of 8,576, or 11 percent. The University's minority enrollment has increased 37.1 percent in the past five years.

Spanier runs with bulls in Pamplona, Spain

During this past academic year, President Graham B. Spanier spent a lot of time studying trends in higher education, navigating through various issues and running through countless interviews with the media on all sorts of topics.

Instead of relaxing this summer, however, he studied the roads of Pamplona, Spain, and navigated his way carefully through them as he went running with the bulls — a tradition in the town during the Festival of San Fermines, made famous by Ernest Hemingway through his books *The Sun Also Rises* and *Death in the Afternoon*.

Spanier was accompanying his wife, Sandra, a prominent Hemingway scholar, on a trip she was leading for the Penn State Alumni Association.

"I had been studying the nuances of the run for some time and decided to do it for the cultural experience," Spanier said. "After carefully planning my strategy to avoid being trampled or gored, and after walking the course, examining the twists and turns, the bulls' tendencies, and deciding where I needed to be in relation to the timing of the bulls, I did it. In full sprint at the end of the course, I arrived at the bull-fight ring just as the first bulls arrived, managing to steer (no pun intended) clear of



President Graham B. Spanier enters the stadium alongside a bull during the running of the bulls in Pamplona, Spain. After carefully studying all aspects of the run, Spanier decided to take part in the ritual made famous by author Ernest Hemingway.

charging bulls. It was a rush, literally and figuratively."

Spanier also spent four days this summer whitewater rafting on the New River in West Virginia, and a bicycle ride across Wisconsin is on his agenda before the summer ends.

Stronger policy for off-campus misconduct in place

In a cooperative effort with the State College borough, the University has developed stronger policies and rules regarding off-campus misconduct by students. The University revisited its off-campus Code of Conduct policy, with input from the Office of Judicial Affairs' student judiciary and student advisory board, because of recent rioting in downtown State College and other criminal behavior involving Penn State students, in an effort to have students held more accountable.

"Any off-campus student behavior that affects a substantial University interest violates the Code of Conduct and is subject to disciplinary action following standard University procedures," said Joseph Puzycski, director of judicial affairs.

Student conduct committed off-campus which affects a substantial University interest includes, but is not limited to behavior which:

- constitutes a criminal offense as defined by the Pennsylvania Crimes Code. This includes repeat violations of any local, state or federal law committed in the municipality where the University is located;
- indicates that the student may present a danger or threat to the health or safety of him/herself or others;
- significantly impinges upon the rights, property or achievements of self or others or significantly breaches the peace and/or causes social disorder; or
- is detrimental to the educational interests of the University.

In addition, a sample list of off-campus misconduct behaviors and law violations in each of the University's sanctioning categories — major, moderate and minor — is now included in the policy. The "minor" category, which is new, establishes sanctions for minor, repeat, off-campus misconduct behaviors and law violations, such as disorderly conduct, retail theft and public drunkenness.

"Expulsion from Penn State can occur for serious criminal activity off-campus, such as rape," Puzycski said. "Under the code, additional kinds of off-campus crimes can result in temporary or permanent removal from Penn State."

To view the revised policy, check the Web at <http://www.usa.psu.edu/policy.shtml>. For more information, check the Office of Judicial Affairs Web site at <http://www.usa.psu.edu/ja/>.

University animal research program accredited

The animal research program at University Park was recently awarded full accreditation by the Association for Assessment and Accreditation of Laboratory Animal Care International.

The association is a private nonprofit organization that promotes the responsible treatment of animals in science through a voluntary accreditation program. More than 630 institutions around the world show their commitment to responsible animal care and use by earning and maintaining that accreditation.

Candice Yekel, director of the University's Office for Regulatory Compliance, said, "Accreditation is a symbol of quality, and assurance that when animals are used to advance medicine and scientific progress, their well-being is protected."

To earn accreditation, a research program undergoes a rigorous evaluation by a visiting team. The team visited the University during the summer of 2000 and examined all agricultural and other research animal facilities. The visit-

ing team members, who had collectively participated in several hundred site visits, commented that Penn State had a carefully organized, committed and well-cared-for site. They commended the Office for Regulatory Compliance operations, the University's physical plant, veterinary care, animal husbandry practices and institutional support.

Eva J. Pell, vice president for research and dean of the graduate school, said that full accreditation status from the association will give the University an independent assessment that will considerably strengthen its educational programs and ability to compete for sponsored research.

She added that the highest quality care for animals used in research is essential in order to produce results that will advance agricultural, scientific and medical progress. At the University, animals are only used when the research has the potential to make life better. Examples include Penn State's research on poultry, dairy and other animal food sources and on human diseases including cancer, irritable bowel syndrome and diabetes.



University Park Calendar

July 28 - Aug. 9

SPECIAL EVENTS

Saturday, July 28

"Drop-In," gallery talk, 2 p.m. July 28 and Aug. 4, 11, 18 and 25; Palmer Museum.

Friday, Aug. 3

"From Main Street to Moscow: Pennsylvania Prints," gallery talk by Jennifer Noonan, 1 p.m., Palmer Museum.

EXHIBITS

HUB-Roheson Center

Metal sculptures by Eric W. Stephenson, through Aug. 19.
 "Sightseeing: A Space Panorama," photographs from NASA space missions, through Aug. 21.
 "Three Award Winning Medalists," by Jeanne Stevens-Soliman, Leaonda Finke and Karen Worth, through Sept. 16.

Kern exhibit area

"Blind Spots," photography by Denton W. Smith Jr., through Aug. 12.

North Halls exhibit area

Photographs by Jake Waldman, through Sept. 16.

Palmer Museum of Art

"From Main Street to Moscow by Way of Rails and Sails: History of Transportation in Pennsylvania Prints from the Permanent Collection," through Sept. 2.
 "Wit and Wine: A New Look at Ancient Iranian Ceramics from the Arthur M. Sachler Foundation," through Aug. 12.

"Impressionism in Print: Etchings and Lithographs by Childe Hassam," through Sept. 9.

Pattée and Palermo Library exhibit areas

19th-century American tintypes, through Aug. 15.
 "The Great Exhibition of 1851: The Charlies W. Mann Jr. Crystal Palace Collection," through Aug. 1.
 "Pennsylvania Amusement Parks: The Charlies and Betty Jacques Amusement Park Collection," through Aug. 15.
 "The Digital Photography Studio, Student Photographs," through Aug. 10.
 "Overlooked Visions of the Past Century," through Aug. 10.
 "Sightseeing: A Space Panorama," through Aug. 20.

Ritenour Center

"Secret Strengths," photos by Rebecca Porter, through Sept. 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Pick a card, any card



Ken Sonkin stars in "Guffaw," being presented through July 28 at the Playhouse on the University Park campus. Billed as "the funniest man you'll never hear," Sonkin combines magic, comedy, dance mime and juggling choreographed to music. For information on curtain time and tickets, call (814) 863-0255.

Photos: Greg Grieco

OBITUARIES

C. Drew Stahl, professor emeritus and former head of the Department of Petroleum and Natural Gas Engineering, died July 2, at the age of 77.

Stahl earned his bachelor's and master's degree; and in 1964, a doctorate, from Penn State. In 1982, Stahl was recognized with the College of Earth and Sciences' Wilson Outstanding Teaching Award and in 1987, the

Distinguished Teaching Award of the Society of Petroleum Engineers.

In 1986, a Penn State research laboratory was named after him to acknowledge his research excellence in enhanced oil recovery. In 1997, his 50 years of teaching were honored. After his retirement, Stahl continued to teach for many years.

For an *Intercom* feature story written in 1997 about him, check the Web at http://www.psu.edu/ur/archives/intercom_1997/Oct30/news.html.

Peter G. Babin, lead maintenance mechanic, utilities piping in Office of Physical Plant, from April 7, 1969, until his retirement Feb. 16, 1991; died June 2, at the age of 72.

Anne W. Hancock, employment specialist in Office of Personnel Administration, from May 16, 1966, until her retirement Jan. 1, 1978; died June 1. She was 83.

Denis W. Hoke, associate extension agent in the College of Agricultural Sciences, from June 17, 1957, until his retirement July 1, 1992; died June 4, at the age of 69.

Penn State Principles distributed to freshmen

Thousands of new freshmen are receiving more than the customary welcome letter from President Graham B. Spanier. The new freshmen are the first to receive a copy of the University's new Penn State Principles.

The statement of principles, developed over the past 15 months, are intended to promote the development of character, conscience, citizenship and social responsibility — themes Spanier has articulated since he took office in 1995.

"These are important educational goals, and I encourage students to take advantage of the many opportunities they will find at the University to build the personal framework that will give meaning to their life long after they have left Penn State," Spanier said.

"The principles reflect important values of our University that have evolved from our history and tradition. They also look forward," Spanier said, "and represent a statement of expectations for new members of the University community."

The Penn State Principles (included in their entirety at right) include four key statements:

- 1) I will respect the dignity of all individuals within the Penn State community;
- 2) I will practice academic integrity;
- 3) I will demonstrate social and personal responsibility; and
- 4) I will be responsible for my own academic progress and agree to comply with all University policies.

The idea of the principles was conceived by Spanier in the spring of 2000, and since that time has evolved as input was received by senior University administrators, Faculty Senate leaders and student leaders. All freshmen starting this fall at all campuses will receive copies of the Principles.

The first wave of letters went out in recent weeks to freshmen who started at the University this summer. During the start of the fall semester the principles will be rolled out broadly to other students and throughout the community. All faculty and staff will receive copies this summer. There will be copies posted in residence halls and in public places on campus, and University Web sites will display them as well.

"A few other universities around the country have done something similar and report that having such a statement conveys an important message about the kinds of expectations we have as a university," Spanier said.

In his letter to incoming freshmen, Spanier encourages them to share the document with family members "so that they also are aware of the expectations we have for new students."

In future years the Penn State Principles will be shared with students long before they start their University experience. They will be mailed to students with their original admission letter to let them know what to expect as they think about their college choices.

Although the Penn State Principles are a concrete form of themes the University has promoted for some time, they may be particularly timely given some of the events of the past school year.

"We often speak of the 'Penn State Family' and we hope you will come to feel that you are joining an extended family," Spanier says in his letter to freshmen. "I ask you to join our current students, faculty, staff and alumni to create a caring and open learning community."

"The choices you make, starting right now, will determine your future as well as the character and reputation of our University.

"If we are going to continue to build Penn State's reputation around the nation and world, we will need the full participation of everyone in the University," Spanier said.

The Penn State Principles

The Pennsylvania State University is a community dedicated to personal and academic excellence. The Penn State Principles embody the values that our students, faculty, staff, administration and alumni possess. It is understood that members of the Penn State community agree to abide by the principles to ensure that Penn State is a thriving environment for living and learning. By endorsing these common principles, members of the community contribute to the traditions and scholarly heritage left by those who preceded them and promise to leave Penn State a better place for those who follow.

I will respect the dignity of all individuals within the Penn State community.

The University is committed to creating and maintaining an educational environment that respects the right of all individuals to participate fully in the community. Actions motivated by hate, prejudice or intolerance violate this principle. I will not engage in any behaviors that compromise or demean the dignity of individuals or groups, including intimidation, stalking, harassment, discrimination, taunting, ridiculing, insulting or acts of violence. I will demonstrate respect for others by striving to learn from differences between people, ideas and opinions and by avoiding behaviors that inhibit the ability of other community members to feel safe or welcome as they pursue their academic goals.

I will practice academic integrity.

Academic integrity is a basic guiding principle for all academic activity at Penn State University, allowing the pursuit of scholarly activity in an open, honest and responsible manner. In accordance with the University's Code of Conduct, I will practice integrity in regard to all academic assignments. I will not engage in or tolerate acts of falsification, misrepresentation or deception because such acts of dishonesty violate the fundamental ethical principles of the University community and compromise the worth of work completed by others.

I will demonstrate social and personal responsibility.

The University is a community that promotes learning; any behaviors that are inconsistent with that goal are unacceptable. Irresponsible behaviors, including alcohol or drug abuse and the use of violence against people or property, undermine the educational climate by threatening the physical and mental health of members of the community. I will exercise personal responsibility for my actions and I will make sure that my actions do not interfere with the academic and social environment of the University. I will maintain a high standard of behavior by adhering to the Code of Conduct and respecting the rights of others.

I will be responsible for my own academic progress and agree to comply with all University policies.

The University allows students to identify and achieve their academic goals by providing the information needed to plan the chosen program of study and the necessary educational opportunities, but students assume final responsibility for course scheduling, program planning, and the successful completion of graduation requirements. I will be responsible for seeking the academic and career information needed to meet my educational goals by becoming knowledgeable about the relevant policies, procedures, and rules of the University and academic program, by consulting and meeting with my adviser, and by successfully completing all of the requirements for graduation.

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PENN STATE





Appointments

Africana Research Center gains first director, associate director

Roy Austin, associate professor of justice, sociology and African-American studies, has accepted the position as director of the Africana Research Center.

Austin will serve a two-year term, which began July 1. During 2002-03, the University will conduct a national search for a director. Cary Fraser, assistant professor of African and African-American studies and history, will serve as associate director of the center.

Austin received his bachelor's degree in sociology from Yale and his master's and doctoral degrees in sociology from the University of Washington in 1970 and 1973 respectively. He joined Penn State as an assistant professor and was promoted to associate professor in 1983. He has published extensively in sociology and criminal justice journals on juvenile delinquency, deviance, and race and the criminal justice system. His research also encompasses the sociology of the Caribbean. He served as director of the administration of justice program from 1994 to 1998. During his years at the University, he has served as adviser to the Black Caucus, the Black Graduate Student Association and the Caribbean Students Association.

Fraser earned his bachelor's degree at the University of Guyana, his master's degree from the University of the West

Indies and his doctorate from the University of Geneva in 1990. He served as a program officer at the Social Science Research Council, a visiting fellow at the Center of International Studies, Princeton, and the Frederick Douglass Institute Fellow at the University of Rochester before joining Penn State in 1996. A specialist in the civil rights movement, the history of African-Americans in the 20th century and American foreign policy, Fraser has published a book, *Ambivalent Anti-Colonialism*, and several articles on American and British decolonization policy. In 1999, he won a Ford Foundation grant for his conference on "African-Americans and the Age of African Expansion, 1898-1998."

The activities of the Africana Studies Research Center will be launched at the beginning of the fall semester. A center within the College of the Liberal Arts, it will have an advisory committee composed of faculty and students drawn from across the University. The center will encourage involvement of participants from many academic fields whose research includes issues related to Africans and African-Americans. An implementation committee will soon be appointed to work with the director and associate director to develop activities and programs for the 2001-02 academic year and beyond.

Wirth gains key post in College of Agricultural Sciences

Mary Wirth of Duncansville has been named director of industry and legislative relations for the College of Agricultural Sciences.

A graduate of Penn State with a bachelor's degree in horticulture, Wirth will manage the college's relations with public- and private-sector groups, governmental agencies and elected officials. She will represent the college at special events and work with top management in industry and nonprofit organizations to foster support for the college. In addition, she will provide leadership for the Penn State Ag Council, an industry group whose members provide input, guidance and support for the college's research and educational programs.

From 1999 until joining Penn State,

Wirth managed public relations and government affairs for Rossi American Hardwoods in Duncansville. She held the same position for B.A. Mullican Lumber and Manufacturing Co. in Kingsport, Tenn., from 1995 to 1998. While in Tennessee, Wirth was appointed by Gov. Don Sundquist to the Tennessee Forest Management Advisory Council. Previously, she was executive director of the Allegheny Hardwood Utilization Group, Kane; executive director of the Pennsylvania Forest Industry Association, Kane; staff writer for the agricultural journal *Country Folks of Pennsylvania*, Palatine Bridge, N.Y.; and business manager for the plant department of the G.S. Grimes Seed Co., Smethport.

Kretchmar named acting head of Department of Kinesiology

R. Scott Kretchmar, professor of kinesiology in the College of Health and Human Development, has been appointed acting head of the Department of Kinesiology.

He succeeds Karl M. Newell, who is now serving as the college's associate dean for research and graduate studies.

This will be Kretchmar's second stint as department head. In 1994, he joined the University faculty as head of the Department of Exercise and Sport Sciences (now

Kinesiology). During his five-year term, he was regarded as an advocate for the faculty and for undergraduate education.

In 1985, Kretchmar was elected to the University Faculty Senate and served as its chairman in 1996. He also has served as the chairman of the Senate Committee on Undergraduate Instruction and the University-wide Joint Task Force on Undergraduate Education.

The college will conduct a national search for a permanent department head.

College of Education names new department head

Kyle Peck, professor of education, has been appointed head of the Department of Adult Education, Instructional Systems, and Work force Education and Development in the College of Education.

He is responsible for overseeing budgets and providing leadership for the department's instruction, research and service at the University Park and Great Valley campuses.

Peck, who has been teaching in the Instructional Systems Program since 1987, earned his doctorate in educational psychology with an emphasis in education technology, and a master's degree in education with an emphasis in reading from the



Kyle Peck

University of Colorado. He also earned a bachelor's degree in psychology from Occidental College.

In 1995, Peck received the President's Award from the Pennsylvania Association for Supervision and Curriculum Development for "long-standing leadership in reshaping Pennsylvania's educational vision and future." He has published more

than 40 books, chapters and articles in professional journals, and he is the director of the new Collaborative and Active Learning Research Institute.

One of Peck's goals is to enhance collaboration among the three separate programs within the department.

Interim department head chosen in College of Education

Jacqueline Stefkovich, professor of education, has been named interim head for the Department of Education Policy Studies.

She is responsible for exercising academic leadership, administrative authority and budget management over all departmental programs in instruction, research and service at University Park.

Stefkovich, who joined the University last August, served as the coordinator of Educational Administration at Temple University before joining Penn State. The one-year appointment began July 1.

Stefkovich holds a doctoral degree in administration, planning and social policy



Jacqueline Stefkovich

from Harvard University's Graduate School of Education, and a juris doctorate from the University of Pennsylvania Law School. She also earned a certificate of school psychology from Temple University and a master's degree in counseling from the University of Connecticut. Stefkovich is licensed to practice law in New Jersey, Pennsylvania and the District of Columbia.

Stefkovich's primary research interests focus on students' rights and school officials' responsibilities under the Fourth Amendment. She has numerous publications in law journals and co-authored a book on her research of ethical decision making for educational leaders.

Director of planning and administration named for Outreach

Mary Beth Crowe, administrative fellow in Outreach and Cooperative Extension, has been appointed director of planning and administration for the unit.

In this position, she will be responsible for providing leadership and oversight for strategic planning throughout Outreach and Cooperative Extension and for accountability and diversity initiatives and quality enhancements. She also will provide leadership and coordination for administrative functions and special projects in the Office of the Vice President for Outreach and Cooperative Extension.

Crowe recently completed a one-year



Mary Beth Crowe

term as administrative fellow. Before entering the Administrative Fellows Program, she was director of special projects for the Office of the President, where she had served since 1985. She joined the University staff in 1980 as a project assistant with Planning Studies in Continuing Education.

Crowe is co-author of a number of articles and book chapters on higher education and continuing professional education topics. She earned her bachelor of arts degree in psychology and education from Washington University in St. Louis and her master of arts and doctoral degrees in educational psychology from Northwestern University.

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More Appointments

Schreyer business librarian is honored as an Endowed Librarian

Diane Zabel, business librarian in the Schreyer Business Library, was recently named the Endowed Librarian for Business in the University Libraries.

Her record of professional practice, scholarship and service in the area of the endowed faculty position and academic rank of librarian were important factors in selecting her for this honor. The position is funded through the capital campaign by an anonymous donor.

Zabel's first undertaking will be to develop a career resource center within the Schreyer Business Library.

Zabel is a member of the American Library Association, having chaired com-



Diane Zabel

mittees relating to continuing education, information literacy and building library collections. She recently co-authored a book with Christine Avery, associate librarian and head of Penn State Commonwealth College Libraries, titled *The Flexible Workplace: A Sourcebook of Information and Research*, published by Quorum Books.

Before coming to Penn State in 1986 as a social sciences reference librarian, Zabel received a bachelor's degree from the University of Wisconsin-River Falls and two master's degrees from the University of Illinois at Urbana-Champaign, one in library and information sciences and the other in urban planning.

Alumni name director of program development, enrichment

The Penn State Alumni Association recently appointed Deborah Marron as director of program development and enrichment. Previously, she was director of alumni career services for the Penn State Alumni Association.

In her new position, Marron will oversee the areas of alumni career services, Alumni Travel, recognition programs, student-alumni involvement programs and events management. She also will oversee alumni continuing education in collaboration with Outreach and Cooperative Extension. Responsibilities include long- and short-range planning and development of new programs to address the changing needs of alumni.

Marron has worked in higher education

for more than 12 years. She was director of career planning and placement at Pierce College in Philadelphia and Cedar Crest College in Allentown. She also worked in the private sector as a human resources representative and as a consultant providing career management consulting services to dislocated employees in Fortune 500 companies such as AT&T and Bell Atlantic.

Marron received a bachelor's degree in psychology and a master's degree in counselor education from Penn State. She was granted a doctoral degree in organizational development from the University of Massachusetts and is a certified human resources professional.

Center for Ethics and Religious Affairs names interim director

Sharon Mortensen, associate director of Unions and Student Activities, has been named interim director of the Center for Ethics and Religious Affairs, effective Aug. 1.

She will replace Kenneth I. Clarke, who will become director of Cornell United Religious Work.

Mortensen will oversee the full-time staff at the chapel and work closely with the Campus Ministry and the 38 religious and spiritual student organizations on the University Park campus. She also will continue the work on the design and construction of the Pasquerella Spiritual Center.

Campus planning director comes from Boston's HNTB Corp.

Gordon Turow has been named director of campus planning and design for Penn State, according to an announcement from the Office of Physical Plant.

Turow comes to OPP from the Boston office of the HNTB Corp., where he was associate vice-president and the director of plan-

Mortensen, who came to Penn State in 1990 as assistant director of Campus Life, will serve until July 31, 2002, or until a permanent director is named. A search and screen committee will be appointed to review potential candidates to serve as the next permanent director.

Mortensen graduated with a bachelor of science degree in secondary education from Valley City State University, Valley City, N.D., with majors in math, library science and physical education. She received a master of science degree in higher education/student personnel from Colorado State University.

ning for the Northeast region. His duties included the management of large-scale public infrastructure projects, private sector developments and design/build ventures throughout the Northeast. He has worked on many high-visibility projects with construction values of \$20 million to \$500 million.

Lapping lanes



A woman practices her strokes at the outdoor pool at McCoy Natatorium on the University Park campus. Pool hours are 10:30 a.m. to 9 p.m. with the pool open to midnight on Fridays. Daily and semester pool passes for individuals and families are available. For information, check the Web at <http://www.psu.edu/dept/nat> or call (814) 865-1432.

Photo: Greg Grieco

PRIVATE GIVING

Gift of \$100,000 endows advertising club

Donald and Virginia Davis of Chilmark, Mass., have given the College of Communications \$100,000 to endow the Donald W. Davis Penn State Chapter of the American Advertising Federation (AAF).

Donald Davis, a 1942 graduate of the University's journalism program, and his wife made the gift to honor the memory of Davis' father, Donald W. Davis Sr., a long-time Penn State professor who founded the University's advertising program in 1936. The Davises previously have made gifts to fund an advertising ethics symposium, an annual scholarship and the Donald W. Davis Advertising Laboratory in Carnegie Building.

Each year, students in the Penn State Chapter of AAF prepare for and compete in the national organization's advertising competition in New York City. The annual pro-

ceeds from the new endowment will, in perpetuity, defray the chapter's costs of producing its advertising campaign book and copies for the competition's judges and officials. It also will help fund the travel and hotel costs associated with the competition for the presenters and club members.

Donald W. Davis is the retired chairman and chief executive officer of The Stanley Works, one of the largest international manufacturers of builders' hardware and tools. For the past 15 years, Davis has taught courses in leadership and ethics at the Massachusetts Institute of Technology. He is a life member of the Alumni Association and has been honored with the University's Distinguished Alumnus and Alumni Fellow awards. In May, he gave the commencement address at the College of Communications' graduation ceremony.

NEW AT PENN STATE

Earn bachelor's degree in evening programs

Penn State DuBois is launching two new evening programs that will enable students to earn a baccalaureate degree in business or human development and family studies entirely at night.

Starting this fall, local residents may enroll at the campus part time and take evening classes year-round. Each program is structured so students take two courses, two nights per week each semester. As they reach specific credit milestones, students earn Penn State certificates that demonstrate they have mastered certain com-

petencies in their chosen field, plus an associate degree.

Students who enroll in the evening business program may choose to focus their efforts on one of three options: financial services, marketing/management or individualized business. Those enrolled in the human development and family services program will work toward the community services option of the bachelor's degree and the children, youth and family option of the associate degree.

Registration is open for the fall semester. Classes begin Aug. 21. Call Penn State DuBois Admissions at (814) 375-4720 or (800) 346-ROAR or e-mail smc200@psu.edu.

Summer commencement to be Aug. 4 at University Park campus

The University will hold 2001 summer commencement ceremonies Saturday, Aug. 4, at University Park. An estimated 13 associate, 1,270 baccalaureate and 600 graduate degree students will graduate. The undergraduate ceremony will begin at 10:30 a.m. in The Bryce Jordan Center and The Graduate School ceremony will begin at 2 p.m. in Eisenhower Auditorium.

Throughout the Penn State system, an estimated 184 students will graduate with associate degrees, 1,480 with baccalaureate degrees and 796 with graduate degrees, for a systemwide total of 2,460 summer graduates.

Distinguished scientist Alan Schriesheim will receive an honorary doctor of science degree and will be the speaker at the undergraduate commencement. Daniel Larson, dean of the Eberly College of Science, will be the speaker at The Graduate School commencement.

Schriesheim is director emeritus of the Argonne National Laboratory, the first national laboratory established by the federal government. Under his leadership, a series of initiatives were launched to broaden the laboratory's research scope and expand its relationships with other government, academic and industrial organizations, both nationally and internationally. A graduate of Brooklyn Polytechnic University, he received a Ph.D. in chemistry from Penn State.

Penn State awards honorary degrees to scholars, performers, artists and practitioners in academic fields, or individuals who have made particularly distinguished contributions to society in areas such as public service, business or government. This year's recipient was recommended by a 15-member faculty committee and approved by President Graham B. Spanier and the Board of Trustees.

Before assuming the role of dean in the Eberly College of Science in 1998, Larson was chairman of the physics

Honors college to hold first summer medals ceremony

The Schreyer Honors College will hold its first summer medals ceremony for approximately 40 graduating seniors at 7 p.m. Friday, Aug. 3, in The Nittany Lion Inn Ballroom at University Park.

Rhodes Scholar Zachary Battles, who is graduating with three academic degrees, will be among the medal recipients. Battles won a Rhodes Scholarship to study at Oxford University in England for the next two or three years.

The honors graduates will receive a medallion designed by John A. Cook, professor emeritus of art in the College of Arts and Architecture. The medallion is given as a distinction of successful completion of requirements to graduate with honors from Penn State. President Graham B. Spanier will present the medals, assisted by Rodney Erickson, executive vice president and provost, and Cheryl Achterberg, dean of the Schreyer Honors College.

Until now, the Schreyer Honors College has held medals ceremonies only for the fall and spring semesters. The summer ceremony has been introduced to honor graduates in a timely fashion.

department at the University of Virginia. He earned both his doctoral and master's degrees in physics at Harvard University. A leader in physics education at the graduate and undergraduate levels, Larson's research interests center on experimental atomic and molecular physics.

Spanier will confer degrees for both ceremonies.

NEWS IN BRIEF

International hospitality

This August, about 1,100 international newcomers will arrive at University Park, some with their families, to live and study. The International Hospitality Council, a nonprofit town/gown organization that is supported by community volunteers, the University Office of International Students and the Centre County United Way, has several programs that provide friendship and support to these individuals.

The council invites faculty and staff participation in these programs. In the International Friendship Program, local residents acting as "host families" are matched with international newcomers for a semester or longer; hosts help orient their international guest to life here by sharing an occasional meal or outing, and by offering friendship and support. In the Conversation Partners Program, locals are matched to an internationalist to provide help with conversational English and cultural adjustment.

For more information about volunteering for one of these programs, call the council at (814) 863-3927, e-mail ihc@ip.psu.edu, or visit the council's office in 222 Boucke Building on the University Park campus.

Broadband security research

An Information Sciences and Technology professor is doing academic research on broadband security.

Galen A. Grimes, who teaches at Penn State McKeesport, is looking for statistical data on what types of attacks are launched against users with broadband Internet connections and on what types of firewalls users have installed. He has set up a Web site — <http://www.mk.psu.edu/faculty/grimes/research/research.htm> — explaining the nature of his research. Users can get information there on sending their log files, which would expedite his research.

Vanpool

Terry is looking for riders from the Tyrone area to van pool. Work hours are 7 a.m. to 3:30 p.m. Monday through Friday. Call (814) 863-7816 or (814) 684-0252.

Commission for Adult Learners announces its new members

Garry Burke, Tineke Cuning, Betsy Esposito, Althea Hughes, MaryBeth Krogh-Jespersen, Dennis Lott, Ronald Rash and Rachel Smith will be joining the University's 26-member Commission for Adult Learners.

Members of the executive committee are: Donna Queeney, chair; Karl Martz, chair-elect; Claudia Limbert, Jean McGrath, Frank Miller, Alice Royer, Rick Shaffer and Jay Sonti.

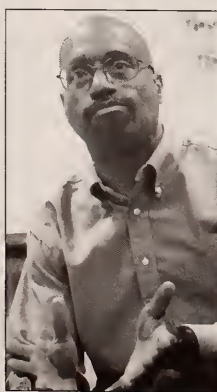
For a listing of the complete membership of the commission and for other Commission news, check the Web at <http://www.sa.psu.edu/cals/commission/members.sktnl>.

Who, what, when ...



Joe Green, a participant in the University's Multicultural Journalism Program held recently at University Park, concentrates on his story, above. At right, Isaiah Poole, editorial page editor at the Centre Daily Times in State College, talks to the high school students in this program about the importance of reporting about neighborhoods, towns and communities.

Photos: Greg Grieco



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Focus on Research

Amphibian mortality linked to global climate change, research team reports

By BARBARA KENNEDY
Herby College of Science

For the first time, researchers have identified a direct link between global climate change and local factors that cause the death of amphibian eggs in the wild.

Scientists have been trying to determine why amphibian populations worldwide have been declining at alarming rates since the late 1970s, but their research has pointed to a confusing variety of causes. Now Joseph Kiesecker, professor of biology, reports the research team he leads has shown that global warming causes changes in rainfall patterns, causing stress in moisture-sensitive amphibians, leaving them susceptible to a variety of pathogens. The stresses and resulting causes of death depend on the specific conditions in the animals' local habitat.

Kiesecker's team found a direct link between the Southern Oscillation Index, which tracks temperature fluctuations including the El Niño warming cycles in the South Pacific, and the amount of rain or snow in Oregon's Cascade Mountains. Other team members include Andrew R. Blaustein and Lisa K. Belden of Oregon State University.

"More than 10 years, we have been collecting data at a number of sites in the Cascades, 4,000 to 7,000 feet above sea level, where there are large breeding populations of western toads," said Kiesecker, whose team backpacks for 10 miles to reach some of the remote sites. The researchers work in tents for weeks to build their experimental devices, which include boxes they designed to anchor the toad eggs at different distances below the surface of the lake in order to learn whether a thicker blanket of water better protects the eggs from the damaging effect of ultraviolet radiation. "We have found that water levels are shallower during years



Sara Storrs, left, a graduate student in ecology; Joseph Kiesecker, center, professor of biology; and Ryan Peterson, right, lab technician; look for amphibian life in one of Centre County's ponds. Kiesecker's research linked the death of amphibians in Oregon with global warming trends.

Photo: Greg Grieco

when there is less snow, which exposes the eggs to more ultraviolet light and makes them susceptible to disease outbreaks."

"Around the early 1990s, we started to see 80 to 100 percent mortality," Kiesecker said. The toad eggs laid at shallower depths, which are stressed by overexposure to ultraviolet light, are killed by a water-mold pathogen, *Saprolegnia ferax*, which generally attacks only organisms that are injured or under stress in some way. Kiesecker said ultraviolet light may not be a factor at other sites of amphibian decline, where embryos laid under a heavy vegetation canopy are not exposed to ultraviolet light. Other pathogens

have been identified as a cause of death.

"Stress-related disease is the one consistent factor that may link amphibian deaths worldwide, and we have demonstrated that amphibian stress in the Cascades is ultimately linked to recent global climate fluctuations," Kiesecker said.

"This study shows that if we want to understand the complex ecology of the world around us, we must start looking at the big picture, and there may not be simple or easy answers," Blaustein said.

Barbara Kennedy can be reached at
bkk1@psu.edu.

Students learn 'how' to say no to drugs

As drug abuse continues to take its toll on this nation's youth, teaching students how to say no to drugs is showing positive results, according to a study.

Researchers report that students in the Keepin' it R.E.A.L. project are drawing on their strengths and the strengths of their families and communities to recognize the risks of drug abuse and to learn how to live drug-free lives.

R.E.A.L., an acronym for the four different ways of refusing drug offers — Refuse, Explain, Avoid and Leave — was developed to find ways of decreasing adolescent drug use.

"Instead of telling students just to say no," the program's main focus is in teaching students how to say no," said researcher Michael L. Hecht, professor of speech communication.

The R.E.A.L. strategies, social norms and decision-making are at the core of the school-based Drug Resistance Strategies Minority Project, a \$3.2 million program funded since 1989 by the National Institute on Drug Abuse. The program was presented to 4,600 seventh-grade students at 35 middle schools in Phoenix, Ariz.

Students were surveyed following the program at nine months and at 18 months. Specifically, the program slowed the rate of increase in eighth-graders' alcohol use by 75 percent per month; slowed the increase in cigarette smoking by 81 percent per month; and slowed the increase in marijuana use by 63 percent per month.

"We learned that the students were less likely to experiment with drugs after completing the program and were more likely to stop, especially drinking alcohol," Hecht said.

Hecht and Flavio F. Marsiglia, associate professor of social work at Arizona State University, are principal investigators of the project. They, along with a multidisciplinary team of researchers and educators in Arizona and Pennsylvania, developed the 10-week, 10-session program.

As a result, resistance strategies videos and public service announcements were produced by youths for youths. Billboards in Phoenix proclaimed the Keepin' it R.E.A.L. program in middle schools. The billboards, bumper stickers, television public service announcements, and citywide contests were some of the most visible elements of the drug resistance strategies program. These public statements reinforced the messages that middle-school students learned as well as reaching additional children and parents in the Phoenix area.

Medication shows promise in treating polycystic ovary disease

An insulin sensitizing agent, troglitazone, shows effectiveness in ameliorating the symptoms of polycystic ovary syndrome (PCOS), a common cause of infertility, according to a recent study.

Dr. Richard Legro, associate professor of obstetrics and gynecology at the College of Medicine at The Milton S. Eshersky Medical Center in Hershey, is one of the study's authors. A nationally recognized expert on PCOS, Legro explains that women diagnosed with PCOS do not ovulate and have high androgen (male sex hormone) levels that can cause excess body hair. The disorder affects approximately 4 percent of reproductive-aged women. Currently, therapy is geared toward symptomatic relief that suppresses androgen production and stimulates ovulation. Research conducted by Legro and confirmed by colleagues in his field supports the premise that insulin resistance is a causal factor for the syndrome.

Building on the results of studies that demonstrate a beneficial

effect of insulin-lowering agents in treating this disorder, the study group hypothesized that administration of troglitazone would improve ovulatory function and diminish symptoms associated with the syndrome.

This multicenter clinical trial included 305 premenopausal women who had been diagnosed with the syndrome. The women were assigned to one of two treatment arms: either treatment with a placebo or treatment with troglitazone.

Results showed an increase in ovulatory rates for women receiving the troglitazone. Of the women treated with the 600 ml per day dosage, 57 percent ovulated more than 50 percent of the time compared to 21 percent of the women in the group that received a placebo. Hormone levels became more stable in concert with increasing dosage of troglitazone.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

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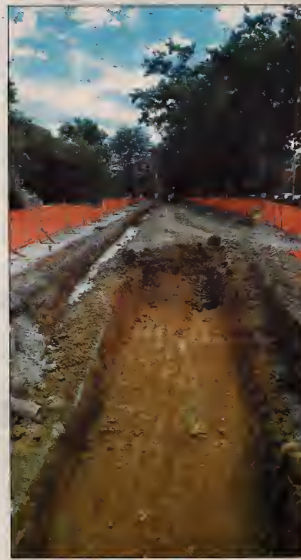
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Construction zones



Summertime is project time, and the Office of Physical Plant on the University Park campus has been very busy working on its "to-do" list. **At top**, A.J. Bechdel holds a rule while Joe McNichol surveys the area behind Old Main. A new, east-west, raised sidewalk is being installed behind Old Main. It will run from Schwab Auditorium to the steps leading toward McAllister Building and will be composed of brick pavers. The project also includes new concrete north-south sidewalks, six new disease-resistant elm trees and improved landscaping between Old Main and McAllister Building. This project will improve pedestrian movement across campus as recommended by the Campus Master Plan. The work should be completed around Aug. 17. **Above**, Terry Watters does some routine maintenance, touching up some window trim on the north side of Schwab Auditorium. **At right**, Shortlidge Road across from Eisenhower Auditorium is being excavated and is closed to traffic. Most of the construction there is related to the new chemistry and life sciences buildings, although some of the work is being done to prepare utilities for the coming development of parking lot 80. In addition, the bottom of Shortlidge Road between College Avenue and McKean Road will be closed to all traffic from 7 p.m. Friday, July 27, through 5 a.m. Monday, July 30, for repaving. This will be the first application on campus of a special high-performance paving material. Paving dates are weather dependent.

Photos: Greg Grieco



Intercom

INFORMING THE PENN STATE COMMUNITY

AUGUST 9, 2001

GLASSBLOWERS TURN THEIR
OCCUPATION INTO ...

'A glass act'

By JULIE A. BRINK
Public Information

The blast from the blowtorch softens and melts the tip of the cylinder, creating a blob of molten glass.

Russ Rogers puts the cool end of the cylinder to his mouth and blows. A glittering, iridescent bubble of glass appears from the glowing tip, expanding until the cooling glass becomes thin and brittle. The bubble shatters with a loud bang spewing paper-thin glass fragments onto the worktable.

Rogers laughs, as does fellow glassblower Doug Smith, "You're in no danger," Smith said. "I do that trick for the Boy Scouts."

Rogers and Smith are the University's scientific glassblowers. Rogers works for the Department of Chemistry in the Eberly College of Science and Smith works in the College of Earth and Mineral Sciences.

The University hires glassblowers to custom-build apparatus used in scientific experiments, according to Derek Elsworth, associate dean for research in the College of Earth and Mineral Sciences.

As Smith puts it, "We fabricate custom glassware as dictated by student and faculty needs."

They also have a hand in design and they do repairs to glass apparatus used in experiments where time is an issue to the continuity of the work. Their work ranges from constructing a simple quartz glass test tube to repairing a two-



University scientific glassblower Russ Rogers uses a graphite paddle to shape the molten glass on his lathe. The blowtorch heats the cylinder until the glass softens and the rotating lathe helps Rogers keep the glass uniform. Rogers and Doug Smith fabricate glass items for student and faculty needs.

Photo: Greg Grieco

Class illuminates the City of Light

By GARY W. CRAMER
Public Information

To compare and contrast social climates and outlooks on moral issues, a typical 18th-century Parisian provides a better counterpart than a 21st-century one to contemporary Americans, according to a University cultural theorist who's teaching a new class on the city of Paris this fall.

While it's introducing the cultural, artistic, literary and social life of France's most celebrated city from the level of yesteryear's emperors to peasants and today's movie stars to blue collar workers, the course, "Paris: Anatomy of a City" (French 137), also will show how the nation has interacted with the United States over time. French 137 is designed to be appreciated by students from any field of study, and will be taught in English.

"We felt that for a general education course, focusing on a single city would be a different, exciting way of tackling broad, interdisciplinary

Paris, page 2

Autism program expands through distance education

A program for special education teachers is expanding to provide continuing graduate education to states across the country.

Since 1998, University faculty have delivered courses in the Applied Behavior Analysis (ABA) program to more than 400 special education teachers, counselors, speech language pathologists and other professionals from Pennsylvania and the neighboring region.

Through the use of distance education, the ABA program hopes to reach many hundreds more.

The ABA program also serves as the foundation for the University's new Autism Specialist Program, a master's degree of the College of Education's Department of Special Education

Autism, page 2

Paris

Continued from page 1

topics without letting them get too broad to handle," said Julia Simon, associate professor of French, who will teach the course. "And since we are not actually visiting Paris, we'll be using CD-ROMs, DVDs and the Internet extensively to simulate the experience. For instance, one of our first exercises will be to pretend to take the Paris Metro subway system on a tour of the city by using a CD-ROM that highlights its neighborhoods."

Simon also plans to address how France, once an inspiring model of democracy for the Americas, has undergone many radical changes in government and addressed societal challenges, such as immigration, that are similar to those faced here in notably different numbers. She is the author of *Beyond Contractual Morality: Ethics, Law, and Literature in Eighteenth-Century France* (University of Rochester Press, 2001), which examines such issues as multiculturalism, public education, tolerance, private morality and the rights of women and minority groups through comparisons of French trends in the 1700s to American trends of today.

A frequent visitor to France, Simon is injecting her in-depth knowledge of its history into the course via a variety of unconventional texts and topics.

"Most people don't realize how much there is to see in Paris that harkens back to ancient Roman influence in the region — we'll examine that by CD-ROM," she noted. "We'll look at the infamous sewers of Paris and the importance of music, especially jazz, to the nation. Plus, I'm not sure how multicultural people expect France to be, but there are very strong North African and Arab influences in Paris now that we will investigate. I'm even showing off the city's café and bistro heritage by highlighting restaurants that have been around for more than a hundred years."

Simon adds that there will be DVD tours of museums and a guide to Internet resources with links to major architectural attractions; places where expatriate U.S. jazz greats went to find appreciative audiences; and other sightseers' favorites.

Another chance to pit France's and the United States' world views against each other will come from reading Ernest Hemingway's *A Moveable Feast*, in which he recorded his adventures in Paris in the 1920s.

"My one big wish is that anyone who takes this course will really want to go to Paris by the time it's over," Simon said. "Hopefully, they'll come away with a realistic sense of the city and its life."

Gary W. Cramer can be reached at gwc104@psu.edu.

Autism

Continued from page 1

and the College of Health and Human Development's Department of Communication Disorders. The two-year program includes the ABA course sequence, specialized seminars and a family practicum that emphasizes the role of parents of autistic children.

The newly launched autism program recently received \$1.5 million in funding from the U.S. Office of Education. According to John T. Neisworth, professor of special education, the importance and status of the ABA program helped the review panel see the autism master's degree program as worthwhile.

"Applied Behavior Analysis is built on a solid body of scientific facts we know about human behavior. Effective evidenced-based strategies based on behavior principles are helping professionals and parents make great progress with children with behavioral disorders," explained Neisworth, who serves as the ABA program's academic coordinator.

Applied Behavior Analysis involves the design, implementation and evaluation of environmental modifications to produce socially significant improvements in people's behaviors.

The one-year ABA course sequence teaches basic theory and techniques important to the treatment of autism and other severe behavioral disorders. It also prepares professionals for the national certification examination sponsored by the Behavior Analyst Certification Board (BACB), a non-profit corporation established to meet cre-

denial needs in the field.

"Nationally, there is a great need for qualified behavior analysts in a number of different areas, especially right now in autism. Because there is such need, many people have offered services and therapies without having the proper experience or expertise," said Gerald L. Shook, executive director of the BACB.

The series of ABA courses is one of 17 graduate course sequences in the United States that have been approved by the BACB as meeting the coursework standard for taking the Board Certified Behavior Analyst Examination. Along with Neisworth, a number of University faculty teach the ABA graduate courses: Kathryn D.R. Drager, assistant professor of communication disorders; Charles A. Hughes, professor of special education; Richard M. Kubina Jr., assistant professor of education; David L. Lee, assistant professor of special education at Penn State Great Valley; Jose Martinez-Diaz, instructor of education and president of the BACB; James K. McAfee, associate professor of special education; Kathy L. Ruhl, professor of special education; and Pamela S. Wolfe, associate professor of special education.

The University program was designed by faculty in cooperation with the Pennsylvania Department of Education. In 1999, faculty responded to requests from agencies in Connecticut and New York to offer cohorts in those states. The 2001 version of the course sequence allows professionals throughout the United States to benefit

from the University's expertise in the field of applied behavior analysis.

According to Shook, "Pennsylvania's program is an example of what is needed nationally. Not all states have taken Pennsylvania's lead to develop statewide programs, so there is certainly a national need for these graduate courses. I think the Penn State program will be able to fill a need for training far beyond the borders of Pennsylvania."

The University's nationwide program is administered by the Continuing Education Office of Statewide programs. In its students enroll as part of a group in their local area and complete most of their coursework at a distance. Participants receive lessons on videotape to make the program convenient and accessible, while they work in groups to maintain the educational and networking benefits of learning alongside colleagues. Students may discuss and interact with faculty and classmates through a Web-based bulletin board, e-mail and Internet chat rooms.

The fourth course in the program is offered during the National Autism Conference and Pennsylvania Autism Institute held in the summer on the University Park campus. This year's conference and institute will be held from Aug. 6-10.

For information about the program, visit the Web site at <http://www.outreach.psu.edu/StatewidePrograms/aba/>.

For information on the Behavior Analyst Certification Board, visit <http://www.BACB.com>.

Students place in aviation competition

A team of Penn State aerospace engineering students took second place at the National General Aviation Design Competition in Oshkosh, Wis., over the weekend.

The student engineers designed "Defiance," a four-place, single-engine, turbofan-powered aircraft. Defiance's twin tail boom, twin vertical tail layout uses both aluminum and modern composite materials, and features advanced aerodynamics, avionics and support systems.

The competition's winners were recognized at a ceremony at AirVenture 2001, the Experimental Aircraft Association's annual convention and fly-in. The annual contest is part of a national effort to rekindle interest by U.S. students in the general aviation sector.

For its efforts, the University team takes home a \$2,000 prize. The group's faculty adviser is Hubert C. "Skip" Smith, professor emeritus of aerospace engineering.

The University has won a place award in each of the competition's seven years.

Search set for Life Sciences Consortium director

Applications and nominations are now being accepted for the position of director of the Life Sciences Consortium, who will report to the vice president for research.

The successful candidate will be recognized as an international leader in the life sciences with an exemplary record of scientific accomplishments and vision. He or she will possess strong team-building skills to bring together faculty with complementary expertise and interests. The individual will have an understanding of the national funding scene and a proven track record in securing multi-investigator grants. The director also will have an abiding sense of, and commitment to, academic excellence and this institution's long grant mission. The director will be provided the flexibility to maintain his or her own

research program.

Nominations may be sent via e-mail to jejs@psu.edu.

Applicants should send a statement expressing their interest in this position, a summary of their vision for the life sciences in the new millennium, a curriculum vitae with home page URL, if available, and the names, addresses, telephone numbers and e-mail addresses of four references on a computer diskette or as an e-mail attachment to: Richard Frisque, chair, Search Committee for LSC Director, Pennsylvania State University, 304 Old Main, Box IT, University Park, Pa. 16802.

Review of applications will begin on Sept. 10 and continue until an appointment is made.

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South African students participate in engineering camp for young women

The University's Venture in Engineering Camp (VEC-Tour) is host to its share of young women from far off places, but this year a group has traveled an enormous distance to participate in the camp.

A dozen female students from South African high schools participated in VEC-Tour along with 30 American women. The camp was sponsored jointly by the colleges of Engineering and Earth and Mineral Sciences.

"The idea of the camp is to reach out to girls who have the aptitude and ability to do engineering but haven't been exposed to it yet," said Barbara Bogue, the camp's co-organizer and director of the college's Women in Engineering Program. "We're offering them a window into engineering."

Coordinating the camp was Cynthia Freeman Fall, coordinator of minority programs in the College of Earth and Mineral Sciences.

The weeklong camp included activities designed to give the girls a taste of different engineering disciplines. The students participated in laboratory experiments, design projects, team-building exercises and tours. The girls worked with the College's faculty and also had the opportunity to speak with industry professionals.



From left, Jennifer Kalgren, Lyndsey Hyibert and Nadine Smith, associate professor of bio-engineering, build an EKG circuit board. Kalgren and Hyibert were participants in The University's Venture in Engineering Camp.

Photo: Greg Grieco

This year's camp exposed students to acoustics, bioengineering, materials and envi-

ronmental engineering. The women constructed acoustic lasers, EKG machines and

LED flashlights as part of their experience.

The idea to bring women from South Africa to the camp came through conversations with a South African educator Bogue met at a previous meeting, Nomsa Dlamini.

"We talked about how nice it would be to have them here and have a multicultural camp," Bogue explained. She said the University was able to offer the South African girls scholarships to attend the camp, but the cost of flying across the Atlantic was paid for by the girls' families.

Bogue said the students came from three areas in South Africa — Durban, Johannesburg and Cape Town.

"We thought it was an opportunity of a lifetime, and we wanted a whole new experience," said Mukelle Zulu, an 18-year-old student from Durban, South Africa. Zulu, incidentally, also is an African princess — daughter of South African Zulu Nation leader King Zwelintini.

She and her 17-year-old friend from Durban, Nomsa Zulu, said the experience was so wonderful that they're interested in attending Penn State for college.

"We want to see if it'd be possible to come here later on," Mukelle Zulu said. "The people here are amazing."



This renovated computer lab in the Eberly Building on the Penn State Fayette campus is part of the just-completed \$6 million project that will be rededicated on Aug. 10. The building has four computer labs for students, classroom use and faculty development on the first floor.

Photo: Greg Grieco

Renovated Eberly Building to be rededicated

The newly renovated Eberly Building on the Penn State Fayette campus will be rededicated at 5 p.m. Friday, Aug. 10.

The yearlong, \$6 million renovation on the campus' first building has turned it into a state-of-the-art link between the classroom and community, officials say.

University President Graham B. Spanier will address the event via a live teleconference

link, highlighting an evening program of speakers, faculty showcases of classroom technology and building tours. Chief restorer Robert Marshall will speak about his restoration work of "The Spirit of Service," the 10-by-40-foot mural by Frank L. Melega depicting coal-era scenes which can be found in the corporate center. For information or to RSVP, call (724) 430-4199.

Child-care program receives accreditation

The Child Development Laboratory (CDL), one of two early-childhood programs operated by the Department of Human Development and Family Studies, was recently re-accredited for three years by the National Association for the Education of Young Children (NAEYC). The center is directed by Linda M. Duerr.

Child-care centers, preschools, kindergartens and before- and after-school programs are eligible to seek NAEYC accreditation. Of those, only 7,766 programs serving more than 696,000 children — approximately 7 percent of all early childhood programs nationwide — have achieved this recognition. Programs seeking accreditation undergo an intensive self-study and collect information from parents, teachers, administrators and classroom observations. They also undergo an on-site visit conducted by early childhood professionals trained by NAEYC to validate their self-study results. A team of national

experts which grants or defers accreditation then reviews the information.

CDL, which was first accredited in 1995, was the first child-care program in Centre County to receive NAEYC accreditation. The program currently serves 56 children between the ages of 6 weeks and 6 years. Both programs operated by the Department of Human Development and Family Studies are accredited. CDL's sister program, the Bennett Family Center, received NAEYC accreditation in 1999.

The Children's Learning Center at Pennsylvania College of Technology also was granted re-accreditation recently by the same organization.

The Children's Learning Center received its initial NAEYC accreditation in 1998, but this was the first time the toddler room, added in 1999, went through the accreditation process, noted Karen Woland Payne, the center's director.

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Awards

Student Affairs employees honored

Several Student Affairs employees were recently honored for their exemplary service to students and the University.

William Asbury, vice president for student affairs, presented the awards at the annual Student Affairs Staff Development and Recognition program held at the HUB-Robeson Center on the University Park campus.

■ **Vice President's Award for Quality Improvement** is presented to an individual or team that demonstrates a commitment and dedication to the philosophy, practice and application of continuous quality improvement principles. The recipient is the Sorority Housing CQI Team, a cross-unit team whose members included Marce Pancio, Kelly Manion and Kim Schindler from Residence Life; Stephen Rupprecht from Greek Life; Kathy Krinks and Colleen Kosko from the Assignment Office; Dan Nugent from the CQI Office; Michelle Dzyak from the Paterno Library; and students Cassandra Logan, Emily Saylor and Laura Steehler. The team's charge was to examine and make recommendations for improvement of the sorority assignment process in the residence halls.

■ **Vice President's Award for Above and Beyond Service** is presented to Student Affairs employees for superior performance in completing special projects and/or for going above and beyond in the performance of their job responsibilities. Recipients are Julie Arnold, Rose Ennis and Angela Stuck from the Office of Judicial Affairs at University Park for their positive interactions with students and parents.

■ **Vice President's Award for Outstanding Service to Students** is presented to Student Affairs employees who demonstrate exemplary service to students. Recipients are Kathy Hillegass from the Center for Adult Learner Services at University Park for her work with the adult learners at Penn State and Jack Rayman from Career Services at University Park for his leadership of Career Services and his vision and pursuit of the new Career Services building at Penn State.

College honors 2 for teaching, advising excellence

H. Joseph Sommer III and John Moore are the recipients of outstanding faculty awards from the Schreyer Honors College.

Sommer, recipient of the Schreyer Honors College Excellence in Advising Award, has served as an honors adviser for 20 years. He is a professor of mechanical engineering and professor in-charge of graduate programs for mechanical and nuclear engineering. An instructor at the University

■ **Service to the Campuses Award** is presented to Student Affairs employees at University Park for commitment and dedication to students and staff at the Commonwealth campuses/colleges. The recipient is Sandy Edwards from the Office of Unions and Student Activities at University Park for the support and direction she provides to Commonwealth, Campus Student Government and the student activities staff at the campuses/colleges.

■ **John W. Beatty Outstanding Chief Student Affairs Officer Award** is presented to a chief Student Affairs officer at a campus/college location who demonstrates exemplary leadership, dedication and commitment to students over a period of years. The recipient is David Shields of Penn State Altoona.

■ **Campus Program Award** is presented to Student Affairs employees for the exemplary coordination of an outstanding campus/college program. Two programs received the award this year.

— "These Hands Weren't Made for Hurting" by Kate Stahl Kinsinger and Gina Baird of Penn State Altoona. This program helped to raise awareness regarding relationship violence and promoting a positive message of care and concern for one another.

— "Cultural Exchange Luncheon Series" by Sean Kelly of Penn State DuBois. This program was developed to celebrate the cultures that make up the DuBois campus community as well as to educate the students, faculty and staff.

■ **Campus Achievement Award** is presented to Student Affairs employees for exceptional service to the campuses/colleges over a period of years, including a commitment to students and distinguished involvement in system-wide activities. This year's recipient is Jose Rodriguez from Penn State Abington for membership on various committees involving support and assistance for students and for the open door policy he exhibits.

ty since 1980, Sommer has received many honors and awards.

Moore, recipient of the Schreyer Honors College Excellence in Teaching Award, is an associate professor of English and University marshal-in-charge of the Schreyer Honors College medals ceremony. Moore has taught a variety of honors courses over the years. He has received many honors and awards.

Governor honors center for watershed work

The Penn State Center for Watershed Stewardship received an award recently from Gov. Tom Ridge for its work with a Berks County conservancy on the stream that provides Reading's drinking water.

The center also is involved in an award-winning project on Kettle Creek in Potter and Clinton counties.

Ridge announced the initial 25 winners of the first-ever Governor's Award for Watershed Stewardship. The center won its award for assessment and planning for the Maiden Creek Keystone Project, a joint venture with the Berks County Conservancy.

An interdisciplinary unit in the College of Agricultural Sciences and the College of Arts and Architecture, the center was established four years ago by a \$1.78 million grant from the Howard Heinz Endowment.

The project was carried out by a team of five graduate students from the School of Forest Resources and the Department of Landscape Architecture, and by three faculty on special Heinz Faculty Fellow

appointments to assist the work. They were Kenneth R. Tammanna, associate professor of landscape architecture; William E. Sharpe, professor of forest hydrology; and Barry Evans, senior research assistant.

Maiden Creek watershed covers 216 square miles in Berks and Lehigh counties. With forested headwaters on Blue Mountain, farmland in the lower reaches and Reading's reservoir near the mouth, Maiden Creek has been polluted by runoff from development and agriculture. The center took less than a year to prepare a plan to reduce the pollution and protect the stream. The Berks County Conservancy estimates that the in-kind value of the Keystone Project on Maiden Creek, based on student and faculty time totaling more than 5,000 hours, is \$87,000.

The Kettle Creek Watershed Association earned an award for its work on the stream in northcentral Pennsylvania, accomplished with multiple partners including the center and National Trout Unlimited.

Courtyard open



Larry Burton, associate dean of the College of Engineering, welcomed guests to the dedication of the renovated courtyard behind Electrical Engineering West. The project, designed and built by students, was funded by the College of Engineering, Department of Electrical Engineering, College of Earth and Mineral Sciences and the Alumni Association. The courtyard, which can be used by the public, also may be reserved for events by contacting the Department of Electrical Engineering.



News in Brief

Commencement scheduled

More than 120 students are expected to receive bachelor's and associate degrees and certificates during Penn College's summer commencement ceremonies on Aug. 11.

The ceremony begins at 11 a.m. in the Community Arts Center in Williamsport. Penn College President Davie Jane Gilmour and board of directors' Chairman Robert E. Dunham will present the degrees and certificates.

Directory deadline is Aug. 20

The deadline for changes to the Penn State Directories department lists this year is Aug. 20.

To make changes in departmental listing, photocopy pages that require changes and mark the changes. If changes are extensive, type and save them on computer disk in a text or Word file. Send the disk along with the photocopied page(s), with markings to explain where the revised material should be placed. Send department changes to Directories, Department of University Publications, Suite A, University Park, Pa. 16802, by Aug. 20 for inclusion in the 2001-02 directories. The department listings are identical in the faculty/staff and student directories, so when a change is made in one book, it also will be made in the other.

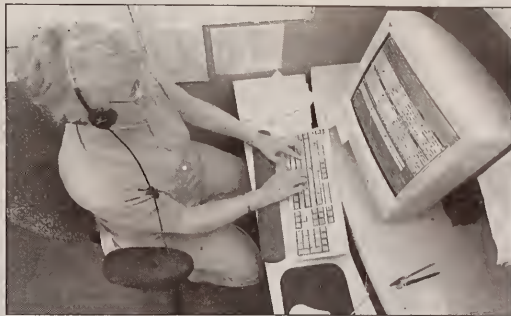
The Department of University Publications does not handle changes in individual listings. To do so, an employee should contact his or her human resources representative so that changes may be made on individual UADSR screen in the University's records. See page 7 of the current directories for further details.

For information, call the Department of University Publications at (814) 863-1870.

Parking changes

University Parking announces some policy changes in operation.

- Effective immediately anyone may park his or her vehicle in a metered parking space if appropriate time is purchased on the meter. No permit is required. Meters on campus accept quarters only.
- Valid University parking permits are now associated with the registered vehicle, for enforcement purposes, rather than the driver. Parking permit eligibility requirements still apply. The registered permit holder is responsible for any violations received against his/her permit.
- Changes have been made to the appeals process for parking violations based on recommendations by an Appeals Process CQI Team. Effective with the fall semester, anyone appealing parking violations is required to pay the violation amount in full at the time of the appeal. If



Pat Nadzan is a University telephone operator at the Call Center Services Office. To help incoming students, the office will extend hours of operation from Saturday, Aug. 18, through Saturday, Sept. 1. The hours will be 7 a.m. to midnight weekdays and 8 a.m. to midnight weekends. The office will also be open from 9 a.m. to 11 p.m. for the Labor Day holiday. A complete list of Call Center services is available at <http://www.etc.psu.edu/services/staff/callcenter.asp>.

Photo: Greg Grisco

the appeal is won, the fine will be refunded. A new appeals form has been created. To decrease frivolous appeals, unacceptable reasons for appeal have been listed on the form. The parking manager will review extenuating circumstances on a case-by-case basis.

■ A new towing policy has been implemented to assist the University in enforcing parking regulations for unregistered vehicles.

Learn to use The CAT

Learn to use the enhanced version of The CAT, the online catalog component of LIAS. The CAT serves as an electronic locator for items at more than 20 statewide University Libraries locations.

This seminar, offered by Libraries Instructional Programs, is open to all students, faculty and staff interested in learning more about The CAT and the many enhancements made over the previous version.

Seminars will be held in the Foster Auditorium, Pattee Library, on the University Park campus. No registration is required. Check the Web at <http://www.libraries.psu.edu/crsweb/instruction/ip/CAT.htm> for the schedule of classes.

Absence policy reminder

Faculty and students are reminded of the University's policy regarding students' requests for absence from class for the purpose of observing a religious holiday.

The University Faculty Senate policy on class attendance (42-27) states that

instructors should provide, within reason, opportunity to make up work for students who are obliged to miss classes for legitimate reasons.

As further clarification, the Academic and Administrative Policies and Procedures Manual (R-4) states that while the University makes every effort to avoid conflicts with religious holidays, when conflicts are unavoidable, the policy is to try to make special arrangements for the students affected.

The Faculty Handbook says that "Faculty members are encouraged to entertain requests for exemptions from class attendance for purposes of religious observance."

A list of holy days of the major world religions that may require students to depart from their normal routine is published by the Center for Ethics and Religious Affairs at <http://www.sa.psu.edu/cera/reliol.html>.

Web cams sponsored

The Penn State Alumni Association, in partnership with the Office of Student Affairs, has sponsored three Web cameras for the HUB-Robeson Center. The Web cams show views of Mount Nittany, the HUB-Robeson Center lawn, and the HUB-Robeson Center interior.

The Web cams can be accessed by visiting the Alumni Association Web site at <http://www.alumni.psu.edu/kub>. The cameras are updated automatically each time the browser is refreshed.

Associate dean for research sought in College of Ag Sciences

The College of Agricultural Sciences is seeking candidates for the position of associate dean for research and graduate education and director of the Pennsylvania Agricultural Experiment Station.

The associate dean and director provides leadership and administration for the college's research and graduate education programs. Reporting to the dean, the associate dean and director is a member of the college administrative team, which functions in a collaborative and integrative manner across the teaching, research, extension and outreach functions of the college. Several staff associates support the associate dean and director.

Specific responsibilities include: providing leadership, advocacy and facilitation in support of faculty and staff research; coordinating planning, implementation, evaluation and promotion of research and graduate education programs; establishing and maintaining close working relationships and collaborations within the college, with other colleges' programs and institutes of the University, external constituencies, and state and federal agencies; encouraging and assisting faculty in securing external funding; serving as college liaison to the dean of The Graduate School and serving as a member of the University Research Council; and assuring compliance with all applicable institutional, state and federal reporting requirements.

Candidates must have a distinguished record of research achievement in a field of study commonly associated with a college of agricultural sciences or equivalent. Credentials appropriate for rank of professor in her/his discipline are required. Demonstrated excellence in research, including extramural support and effective administrative, leadership and communication skills, are essential. The candidate should be thoroughly familiar with the role and missions of a land-grant university. Salary will be commensurate with experience and qualifications.

Candidates should submit a letter of application, curriculum vitae, two-page summary of her/his view of the challenges facing a leading agricultural research institution and complete contact information for four references. Send nominations, application, or inquiries to: Robert D. Steele, dean, College of Agricultural Sciences, The Pennsylvania State University, 201 Agricultural Administration Building-Box INT, University Park, Pa. 16802-2600.

More information about the college can be found at <http://www.cas.psu.edu>.

Applications and nominations will be reviewed beginning Oct. 1.



University Park Calendar

August 10 - August 23

SPECIAL EVENTS

Saturday, August 11

"Drop-In," gallery talk, 2 p.m. Aug. 11, 18 and 25;
Palmer Museum of Art.

Friday, August 17

"Impressionism in Print: Etchings and Lithographs by
Childe Hassam," gallery talk, by Jennifer Noonan,
1 p.m., Palmer Museum of Art.

EXHIBITS

HUB-Robeson Center

Metal sculptures by Eric W. Stephenson, through Aug. 19.
"Sightseeing: A Space Panorama," photographs from NASA
space missions, through Aug. 21.
"Three Award Winning Medalists," by Jeanne Stevens-Sol-
man, Leanda Finke and Karen Worth, through
Sept. 16.

North Halls exhibit area

Photographs by Jake Waldman, through Sept. 16.

Palmer Museum of Art

"From Main Street to Moscow by Way of Rails and Sails:
History of Transportation in Pennsylvania Prints from
the Permanent Collection," through Sept. 2.
"Impressionism in Print: Etchings and Lithographs by
Childe Hassam," through Sept. 9.

Pattee and Paterno Library exhibit areas

"Sightseeing: A Space Panorama," through Aug. 20.

Ritenour Center

"Secret Strengths," photos by Rebecca Porter, through
Sept. 12.

For a full listing of University Park activities, including sporting
events, go to the Web at <http://cac.psu.edu/calendar/>. For a
detailed listing of upcoming Conference and Institutes' confer-
ences, visit the Web at [http://www.outreach.psu.edu/](http://www.outreach.psu.edu/conferences.html)
[conferences.html](http://www.outreach.psu.edu/conferences.html).



This sunflower is part of a photo exhibit by Jake Waldman on display through Sept. 16 in the North Halls exhibition area on the University Park campus.

LECTURES

Sociologist to talk about mothers' wage growth, the quality of family relationships during lecture

Jennifer Glass, professor of sociology and chair of the Department of Sociology at the University of Iowa, will discuss "Blessing or Curse? Family Responsive Policies and Mother's Wage Growth" at noon Friday, Sept. 28, in 102 Weaver Building on the University Park campus.

The speaker is part of the Department of Labor Studies and Industrial Relations' Work Family Series. Glass will analyze the wage growth of 150 employed mothers over the preschool years of their children, comparing mothers who used

telecommunicating to those who did not.

Glass is currently researching the effects of family responsive policies on mother's wage growth over time and the quality of family relationships. Another project she is working on focuses on the impact of religious fundamentalism on women's labor force behavior following childbirth.

In addition to her current research, Glass has written many publications on related topics.

Lunch will be provided at 11:45 a.m.

Feminist scholar will discuss virtual museum during her visit to University Park campus

Griselda Pollock, professor of social and critical histories of art and director of the Center for Cultural Analysis, Theory and History at the University of Leeds, will speak at 3 p.m. Sept. 13 at the Palmer Museum of Art on the University Park campus.

Pollock will discuss "Matrixial Moments in the Virtual Feminist Museum." She is the first speaker for the fall semester in the Feminist Scholars Series sponsored by the Women's Studies Program at the University.

BOOK SHELF

Stephen Cimbala, distinguished professor of political science at Penn State Delaware County.

Deterrence and Nuclear Proliferation in the 21st Century, published by Greenwood Publishing Group Inc.

The book, edited by Cimbala, brings together a number of academic and other experts in the field of nuclear arms and proliferation to discuss contemporary and future problems for U.S. strategy and policy. The authors contend that the end of the Cold War may make the problem of containing the spread of nuclear and other weapons of mass destruction harder, not easier, to manage.

James P. Quigel Jr., head of Historical Collections and Labor Archives, Paterno Library.

Gateway to the Majors: Williamsport and Minor League Baseball, published by Penn State Press.

Although many people know Williamsport as the "birthplace of Little League Baseball," it is a city with a rich professional baseball tradition. Since

the 19th century, professional minor league baseball has flourished in Williamsport. Authors Quigel and Louis E. Hunsinger Jr., a reporter for the *Williamsport Sun-Gazette*, provide a comprehensive history of professional minor league baseball in Williamsport from the earliest days up until the present. Drawing upon local Williamsport newspapers, extensive oral histories of former players, baseball administrators, boosters and fans, rare photograph collections and primary source material from the Baseball Hall of Fame Library and Archives, *Gateway to the Majors* reconstructs the totality of the professional baseball experience.

Gateway to the Majors is part of the Penn State Press Keystone Book series. Books in the series are intended to serve the citizens of Pennsylvania by educating them and others, in an entertaining way, about aspects of the history, culture, society and environment of the state as part of the Middle Atlantic region. For more information on *Gateway to the Majors*, check the Web at <http://www.psupress.org/>

Glassblower

Continued from page 1

every glass distillation unit in Fenske Laboratory. Rogers just finished making glass shades for the chandeliers in Old Main on the University Park campus.

The two say their job is to save the University money on scientific glass items by fabricating them instead of ordering them from a vendor. That test tube would cost them \$5 to make; purchasing it from a vendor ratchets up the cost to \$20.

They work their glass by hand on a lathe and at the bench. The chucks on either end of the lathe move in synchrony, spinning the glass rods and tubing while Smith or Rogers heats the glass with a blowtorch. Borosilicate glass has a softening point of 815 degrees Celsius and a working temperature of 1,270 degrees Celsius. Smith joked that his job is every kid's dream — "you get to play with fire and get paid for it."

The glassblowers use graphite paddles to shape the molten glass. A tube allows them to blow air into the glass interior as they work, stabilizing the heated walls. Their work is painstaking and they can produce precisely calibrated glass units.

After the glass unit cools, it's baked or "annealed" in an oven to stabilize it. This process prevents shattering, they said.

Between them, Smith and Rogers have more than a quarter-century of experience.

Smith's been blowing glass for the University for 15 years. Rogers has worked here for 10 years. Smith learned the process from the University's previous glassblower, John Daly, and Rogers studied the process at a community college before working with glass for seven years in private industry.

They figure they go through hundreds of pounds of glass a year fabricating items for scientific use. For the most part,

Rogers and Smith work separately within their own departments, but occasionally will collaborate on bigger, more difficult jobs and aren't afraid to call on one another for help. Put them in the same room for an interview and it becomes a Laurel and Hardy routine.

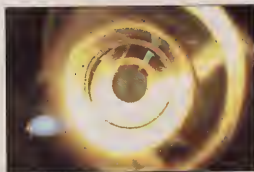
Rogers, sitting at Smith's lathe demonstrating how to shape glass, joked that he can't work in the other man's lab because they have completely different techniques. "I can't do it his way and he can't do it my way," he said. "Take the lathe. He runs it backwards from me." Smith just chuckled and later made a joke about the neatness and condition of his coworker's lab.

The two turn serious when they talk about their work. Take the repairs they did on the distillation unit in Fenske Laboratory about a year ago. The unit was purchased from a German vendor and



Scientific glassblower Doug Smith uses a flexible tube to blow air into a hot piece of glass, above. The air helps stabilize the glass and keep the walls from collapsing. Right, Smith and Rogers display the two-story distillation unit they repaired in Fenske Lab. Below is an interior view of a glass cylinder being heated by a blowtorch.

Photos: Greg Gileo



installed about 15 years ago, they figure. All of the instruction labels on the unit were printed in German, including an important one that translates as "do not tip," Smith recalled.

During a routine cleaning, the unit was tipped and the glass water inlet and outlet valves were damaged. The two had to figure out a way not to damage the three sets of glass coils inside the glass condenser when they made their repairs.

"I've done a lot of neat things, but this is the most challenging," Smith said.

They estimate that it took them about 20 hours to do the job and they charged



between \$500 and \$600. Replacing the unit would have cost the University about \$6,000.

"This is one of the rewarding jobs," Rogers said. "Vendors wouldn't touch it."

Neither considers their skill a dying art. "There are still young people who are really interested," Smith said.

Rogers noted, "There are so many more things available from catalogs than there used to be that there are more production-type glassblowers and less research-and-development type glassblowers. So, it's not necessarily a dying art, rather just changing."

Both of them said working at the Uni-

versity afforded them the opportunity to do more creative work than in private industry, which is concerned with profit margins. "We have the flexibility to spend a little extra time and do the 'impossible,'" Smith said.

Doing the impossible sometimes includes a very simple solution. After they repaired the distillation unit in Fenske Lab, Smith and Rogers made sure the unit was plastered with a prominent label that said, in English, "do not tip."

You can reach Julie A. Brink at jab81@psu.edu.

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at <http://www.psu.edu/> and click on the link under "Announcements" to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.

When disaster strikes, they'll be ready

Area police, fire and emergency medical services staff recently took part in an annual practice drill simulating a transportation accident involving a car and truck with a hazardous chemical leak. The University's Pennsylvania Transportation Institute Research Facility near the University Park campus was the host site for the drill, which included a total of 20 local, county and state agencies and University departments. **Top photo:** A medical team prepares to remove accident "victims." **Middle photo:** A decontamination station for chemical accidents is readied. **Bottom photo:** Firefighters cut through the roof of a vehicle.

Photo: Greg Gresco



OBITUARIES

Edward M. Elias, a former director of Penn State York, died Tuesday, July 31, in Saratoga Springs, N.Y. He was 73.

Elias was the founder of the York campus and was one of the University's first Honorary Alumni. He received the John E. Wilkinson Award for Administrative Excellence in 1984. Elias retired in 1985 after 35 years of working for the University.

He attended the U.S. Naval Academy in Annapolis, Md., and received his bachelor of science in electrical engineering from Lafayette College. Elias graduated with a master of arts degree from the University of Maryland.

A memorial service is being planned for 1 p.m. Aug. 18 at Penn State York.

The family has requested that contributions be made in Elias' name to Penn State York, 1031 Edgemoor Ave., York, Pa. 17403 and to Community Hospice of Saratoga, 179 Lawrence St., Saratoga Springs, N.Y. 12866.

Michael J. Yanek, janitorial worker at Penn State Dubois, from July 1, 1960, until his retirement June 8, 1972; died April 24. He was 90.

Edward G. Jones, high pressure laboratory supervisor in Intercollegiate Research Programs, from Aug. 1, 1965, until his retirement Jan. 1, 1984; died June 15. He was 80.

Helen V. Kline, assistant records officer at the Department of Records, from Nov. 1925, until her retirement Sept. 1, 1968; died June 13, at the age of 94.

F. LeRoy Royer, maintenance worker, until at Penn State New Kensington, from Oct. 31, 1966, until his retirement Sept. 1, 1996; died May 28. He was 79.

Ruth E. Stover, counter attendant in Housing and Food Services, from Sept. 13, 1960, until her retirement June 18, 1971; died June 7, at the age of 95.

George C. Copenhaver, theatre arts technician in the College of Arts and Architecture, from Aug. 23, 1965, until his retirement July 1, 1976; died July 23, at the age of 90.

Mary E. Dreese, food service worker in Housing and Food Services, from May 1, 1965, until her retirement May 26, 1981; died June 24. She was 85.

George L. Lane, controller in Office of the Controller, from July 1, 1958, until his retirement June 28, 1986; died July 19. He was 70.

Ag Progress Days focuses on natural resources

"From the Ground Up: Building a Better Environment" is the theme for this year's Ag Progress Days, Aug. 14-16.

Sponsored by the College of Agricultural Sciences, the event is held at the Russell E. Larson Agricultural Research Center at Rock Springs, nine miles southwest of State College on state Route 45.

Special exhibits this year will feature research and educational programs designed to protect natural resources while enhancing agricultural profitability and human health. Displays will focus on converting agricultural wastes and byproducts to energy; water issues for the farm, home and community; growing small farms through niche markets; protecting and restoring wetlands; and preventing air pollution through quality assurance programs.

Activities planned for this year's event include a farm equipment manufacturers' "show-and-tell," a skid steer rodeo, a special high-tunnel vegetable production tour and a farm vehicle and equipment highway safety workshop.

Field demonstrations will feature hay mowing, baling, bale handling, haylage chopping and bagging, and rakes and tedders. In addition, three specialty line equipment companies will demonstrate a variety of equipment, such as planters, forage mixers, loaders, bale processors and forage

platforms.

Other exhibits, tours and workshops will feature research and information on crops and soils, animal science, dairy and livestock production, integrated pest management, farm safety, conservation practices and woodland management. More than 30 commercial and noncommercial exhibits also will be on hand to display the latest goods and services.

In addition, a variety of family and consumer-oriented attractions are planned, including family living exhibits and demonstrations, a corn maze, cut flower beds and exhibits, storytelling, horse exhibitions, live animal insect displays, lawn and garden advice, a tree climbing adventure and a museum of antique farm and home implements.

Because of concerns about the possible transmission of foot-and-mouth disease, other foreign animal diseases, visitors who have been overseas within two weeks of attending Ag Progress Days are asked not to visit live-animal exhibit areas.

Ag Progress Days hours are 9 a.m. to 5 p.m. on Tuesday, Aug. 14; 9 a.m. to 8 p.m. on Wednesday, Aug. 15; and 9 a.m. to 4 p.m. on Thursday, Aug. 16. Admission and parking are free.

For information, call (800) PSU-1010 or visit the Ag Progress Days Web site at <http://apd.cas.psu.edu>.

Penn Staters

Dinesh Agrawal, professor of materials and director of Microwave Processing and Engineering Center in the Materials Research Institute, gave invited talks on "Microwave Processing of Ceramics, Composites and Metallic Materials" at Forschungszentrum Karlsruhe, Germany, and University of Modena and Reggio Emilia, Italy. He also gave a talk on "Microstructural Examination by TEM of WC/Co Composites Prepared by Conventional and Microwave Processes" at the 15th International Plansee Seminar, held at Reutte/Tyrol, Austria.

Deanna Behring, director for international programs, was named to the board of directors of the U.S.-Israel Science and Technology Foundation by Carmel Vernia, chief scientist of the Israel Ministry of Industry and Trade. The foundation, the administrative arm of the U.S.-Israel Science and Technology Commission, implements the policies and programs determined by the commission to fulfill its mission of fostering collaboration in science and technology between American and Israeli industry.

Refik Culpnan, professor of management at Penn State Harrisburg, presented a paper, "Consolidations and Alliances in Global Automobile Manufacturing," at the Managing in a Global Economy IX Conference of Eastern Asian Management in San Jose, Costa Rica. The paper is included in the conference proceeding CD-ROM.

WPSU-FM Producer **Cindi Deutschman**, won an honorable mention in the Gracie Allen Awards from the Foundation for American Women in Radio and Television for the hourlong documentary "Pam's Story." The documentary relates the experience of Deutschman's sister Pam, going through a pregnancy following a stillbirth. This documentary was produced for the national program series "The Infinite Mind." It also aired on WPSU-FM. The foundation seeks to acknowledge programming by and about women via the annual Gracie Allen Awards, which recognize programming that portrays women in a positive and realistic way and addresses issues of concern to women.

Dolores Fidishun, head librarian of the Penn State Great Valley Library, was recently elected to the Women's Studies Section of the Association of College and Research Libraries, a division of the American Libraries Association. Fidishun will spend her first year as chair, her second year as chair and her third year as past chair, which includes chairing the section's Awards Committee.

Lee Samuel Finn, associate professor of physics, presented an invited paper titled "Perspectives on Detector Networks and Noise" at the Fourth Edoardo Amaldi Conference on Gravitational Waves at the University of Western Australia in Perth.

Garo Goodrow, exhibits designer in information and communication technologies, received a Gold Award from the Agricultural Communicators in Education. His exhibit, "When Smoking Is Not a Choice," received first prize out of 440 entries in this year's program. Goodrow will receive the award at group's international meeting in Toronto.

David L. Hall, associate dean for research and graduate programs in the School of Information Sciences and Technology, has received the Joe Mignogna Data Fusion Award, a national honor. The award was presented at the recent National Symposium on Sensor and Data Fusion Conference held in San Diego, Calif.

Carol Hodges, senior project associate in agricultural and extension education, was elected vice president of the national Graduate Women in Science organization, headquartered in Minnesota. The three-year term begins this month.

Jim Kerlin, director of education outreach in the Center for Education Technology Services, served as panel chair for the Computer Science-Engineering and Mathematics Scholarship Program Review held in Washington, D.C. The National Science Foundation invited Kerlin to serve.

Darlene Joy Kim, staff assistant to the regional director for the South Central region, received the Communicator's Award of Distinction from The Communicator Awards' 2001 Print Media Competition for The State College Jaycees Monthly Newsletter. Entries are judged by industry professionals who look for companies and individuals whose excellent work can serve as a benchmark for the industry.

George Makhatadze, associate professor of biochemistry and molecular biology in the College of Medicine, was invited to serve on the editorial board of the Journal of Biological Chemistry, published by the American Society for Biochemistry and Molecular Biology.

Jacqueline S. McLaughlin was recently selected as the recipient of the 2001 Four-Year College and University Outstanding Teaching Award by the National Association of Biology Teachers and Benjamin Cummings Publishers. The association is composed of more than 9,000 biology educators and administrators from the United States and abroad.

Andrew McKittrick, assistant professor of soil science, received the 2000 Dr. William H. Daniel Award from the Sports Turf Managers Association at their annual conference in Tampa, Fla.

Kenneth L. Miller, professor of radiology and director of the Division of Health Physics in the College of Medicine, recently was elected to a second six-year term with the National Council on Radiation Protection

and Measurements. The council is a non-profit corporation chartered by Congress in 1964 to serve the public interest regarding radiation and to encourage cooperation among organizations concerned with the scientific and related aspects of radiation. The council currently has 90 members.

Joe Paterno, football coach and philanthropist, has received the Pennsylvania Historical and Museum Commission's 2001 "Pennsylvania Founder's Award." The award recognizes Paterno's lifelong contributions to the Commonwealth and the nation through his teaching, coaching and philanthropy. The Pennsylvania Founder's Award was created in 1997 to recognize annually an outstanding citizen who has made significant contributions to Pennsylvania in the spirit of William Penn, whose principles include respect for individual rights, religious toleration, representative government, public support for education and free enterprise. Paterno was selected through a formal nomination process, followed by an independent panel review.

The National Council for Marketing and Public Relations honored **Pennsylvania College of Technology** with three Paragon Awards for its television programming and quarterly magazine. The awards recognize outstanding achievement by communication professionals at two-year and technical colleges. "You're the CBS," Penn College's cooking series on PBS, won a Gold Award in the College Video Program category for the episode "Derby Dinner." **Paul Mach**, assistant professor of food and hospitality management/culinary arts in Penn College's School of Hospitality, and **Tom Speicher**, broadcast media specialist at the college, are hosts for the nationally distributed public television series, "Penn College & You," the college's public affairs program, won a Bronze Award in the College Video Program category for the episode "Digital Video Editing." The program featured the expertise of guest **Bruce Huffman**, coordinator of digital media production at Penn College. Huffman also created the digital media for the show and edited the episode. Speicher serves as host and executive producer of the series. One College Avenue, the college's quarterly magazine, won a Bronze Award in the Newsletter Category. The magazine is edited by **Tom Wilson**, college editor/assistant director of college information and community relations.

For the 12th time in the 15 years it has been eligible, the University has received honorable mention recognition by the American Football Coaches Association in the organization's Academic Achievement Award tabulation. Penn State was one of 30 Division I-A institutions to be recognized for having a graduation rate of 70 percent or better for student-athletes who were freshmen during the 1995-96 academic year. In the 2000 NCAA Graduation Rate Report, the Univer-

sity's football players had a four-year graduation rate of 75 percent, significantly above the national four-year average of 50 percent. The **Nittany Lions** have had 69 Academic All-Big Ten selections in football from 1996-2000, the most of any conference institution.

Sherry Robinson, assistant professor of business administration, received the John Jack Best Paper Award given by *The Journal of Developmental Entrepreneurship* at the U.S. Association for Small Business Entrepreneurship 2001 annual conference. The topic of Robinson's paper was "The Influence of Entrepreneurial Moves on the Way Rural Women Small Business Owners Manage Their Employees."

Sandra J. Savignon, professor of applied linguistics in the Program in Linguistics and Applied Language Studies gave the plenary address at the 18th Annual Taiwan Conference on English held in Taipei. She also was a featured speaker at an International Conference on English Language Learning and Teaching, held by Ming Chuan University, Taipei.

John S. Shenk, professor emeritus, gave an invited lecture at a joint meeting sponsored by the National Center for Quality Supervision and Test of Feed and the Chinese Ministry of Agriculture Feed Industry Center in Beijing. He also participated in the 10th International Near Infrared Conference in Kyongju, South Korea. Shenk was named a Fellow by the Committee for Near Infrared Spectroscopy, an award given for excellence in research mentorship to the NIRS community and a continuing distinguished career.

Bonj Szczypiel, assistant professor of landscape architecture and associate director of the Center for Studies in Landscape History, received the 2001 Council of Educators in Landscape Architecture Award of Recognition. The award is given annually to two young scholars for significant contributions to landscape architecture through excellence in teaching, research and service.

Dennis R. Williams, associate professor of business administration at Pennsylvania College of Technology, has been named a Sam M. Walton Free Enterprise Fellow for the Students in Free Enterprise team at the college. The Fellowship, created in 1990 by the Wal-Mart Foundation, is named for Samuel More Walton, founder and chairman of Wal-Mart Stores Inc.

WPSU-FM, the University's public radio station, has been recognized for outstanding performance at the recent Public Radio Development and Marketing Conference in Phoenix, Ariz. It was named the top small market radio station in two of five categories in public radio development. WPSU's Web site and overall membership efforts were cited as No. 1 in the nation for stations with weekly audiences of 50,000 and fewer.



Promotions

Technical Service

Richard J. Albright, maintenance worker, labor and equipment in Office of Physical Plant

William E. Atkins, lead technician, environmental systems in Office of Physical Plant
Rodney K. Barner, technician, environmental systems in Office of Physical Plant
Matthew E. Broyan, group leader maintenance, worker-utility at Penn State Hazleton

Eugene A. Conter, audio visual technician-campus in University Libraries

Rick J. Confer, group leader test track in College of Engineering

Charles D. Dery, maintenance worker utility in Office of Physical Plant

Edward R. Drapcho, heating and ventilating technician in Office of Physical Plant

Samuel J. Keller, maintenance worker, labor and equipment in Office of Physical Plant

Gerald A. Killian, store room worker in Housing and Food Services

Lisa Knapp, maintenance worker, utility in Office of Physical Plant

Terrence C. Mahon, maintenance worker, utility in Office of Physical Plant

David R. Masullo, laundry operator/truck driver in Housing and Food Services

Aaron B. Myers, stock delivery clerk in Business Services

Robin S. Nelswender, animal caretaker A in College of Medicine, The Hershey Medical Center

Roy F. Prentice, maintenance worker, labor and equipment in Office of Physical Plant

Lonny G. Shawver, maintenance worker, labor and equipment in Office of Physical Plant

Paul G. Shershen, maintenance worker, utility at Penn State Hazleton

Norma P. Sletson, refreshment break services assistant at The Penn State Conference Center Hotel

Bruce J. Teeple, maintenance worker, labor and equipment in Office of Physical Plant

Stephen L. Weaver, maintenance worker general B at Penn State Erie

Jerry A. Witherite, maintenance worker, labor and equipment in Office of Physical Plant

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Focus on Research

Cromwell, spin doctors had much in common, according to professor

JULIE A. BRINK
Public Information

The comic images and satirical verses that plagued Oliver Cromwell during the years he ruled England have a lot in common with the work of modern-day political commentators.

That's according to a University professor who has written a book about the phenomenon. Laura Knoppers, professor of English, is the author of "Constructing Cromwell: Ceremony, Portrait, and Print, 1645-1661." The book examines how shifting popular images and satire shaped perceptions of this revolutionary public figure.

Cromwell ruled England as Lord Protector from 1653 to 1658. He came to power following a civil war, the military purging of Parliament and the public execution of Charles I. After Cromwell's death, his son Richard ruled briefly as Lord Protector. Charles II was restored to the throne in 1660.

"There are links between political satire in England 1640-1660 and political cartoons, satirical columnists and commentators," says the Jano crowd — today," Knoppers said. "Cromwell did not rule by divine right. He was more vulnerable. He provoked critical attack. Although backed by military power, he also depended on the consent of the people."

Cromwell, although a member of the gentry, was mocked as a brewer and a social upstart. Cromwell's physical traits — bulbous nose, thinning hair and pocked skin — were exaggerated and caricatured much as in editorial cartoons today. Detractors saw him as a buffoon, a coward and a duplicitous usurper of Charles I's throne. Supporters saw him as a serious godly man and a citizen soldier.

Newsbooks, precursors of today's newspapers, praised Cromwell's military victories and criticized his politics, depending on whether the publication had a Parliamentarian or a Royalist slant. It was during this period that licensing and censorship fell apart in



Laura Knoppers, professor of English, says the period of Britain's Interregnum has much in common with contemporary issues and concerns.

Photo: Greg Grieco

England. "For the first time they're printing domestic news," Knoppers said. "For the first time, they had a literate public having perceptions shaped by what appeared in print."

Cromwell's regime used the media for its own purposes — staging ceremonies and circulating its own version of events, just as modern spin doctors do, Knoppers said. "That period is actually very relevant to contemporary issues and concerns."

Cromwell was an easy figure for poets, playwrights and balladeers to appropriate. In the beginning, Cromwell was attacked as a comic figure. Writers turned Cromwell into such an interesting villain that it heightened his public profile.

"Once unleashed, they can't control it," Knoppers said. "What they (the Royalists) worry about is that Cromwell is going to become a populist figure. Ironically, the Royalists themselves make him a much more visible figure than they intended."

Cromwell and the Independents were not without their own media campaigns. After a show trial, they beheaded Charles I in front of huge crowds of sympathetic watchers. It was a public relations disaster and an unpopular king turned into a martyr overnight. "They completely misjudged public opinion," Knoppers said.

While she was researching the book, Knoppers said she found that the Lord Protector reminded her of former President Bill Clinton. "What struck me when I was working on Cromwell was that he was an incredibly charismatic figure," she said.

Knoppers cited Cromwell's powerful earnestness and sincerity in comparison to Clinton, pointing out that detractors of the former president and Cromwell attacked both as hypocrites and machiavels.

Julie A. Brink can be reached at jab81@psu.edu

FROM THE EXPERTS

Start a second crop of veggies for fall eating

It's not too late to plant vegetables this year. Pennsylvania gardeners can plant a second harvest right now, according to an extension specialist in the College of Agricultural Sciences.

"Some vegetables even taste better when harvested in cooler weather," said Peter Ferretti, professor of vegetable crops. "And you'll have fewer problems with weeds."

If dry, Ferretti suggests watering thoroughly twice each week until the rains begin in September. Lower the incidence of insects and disease by not planting certain vegetables in the same place twice.

"Don't plant beans where you previously had beans or their relatives; cucumbers where you previously had cucurbits (cucumbers and melons); or cole crops (broccoli, Brussels sprouts, cabbage, cauliflower and kohlrabi) where you previously had cole crops," he said.

To select the proper crop variety, take the first frost date (usually between Sept. 20 and Oct. 10), then subtract "the number of days to harvest" plus 10. "This gives you a 10-day stretch of picking," Ferretti said. "Plant greens now, such as collards, endive, escarole, turnip greens (fall types), kale, mustard greens and spinach (fall types). You also can put in beets, carrots, cauliflower (early fall types only like Snow Crown), kohlrabi, parsnip, radish, rutabaga, shallots and turnip."

Some vegetables, like carrots, have trouble germinating in crusty soil. Ferretti suggests adding half an inch of vermiculite or sand over the soil, then spreading some regular radish seed along with what you're planting to break up the crust. "Radishes will germinate through anything," he said.

For a list of suggested varieties, see the College of Agricultural Sciences publication "Pennsylvania Vegetable Variety Recommendations for the Home Gardener and Bedding Plant Grower/Garden Supplier." Additional information on culture, handling, harvest and storage for selected vegetables can be found in the "Culture and Varieties for the Home Gardener" series. Free copies are available for Pennsylvania residents from county Penn State Cooperative Extension offices. Out-of-state residents can call the College of Agricultural Sciences Publications Distribution Center at (814) 865-6713. Publications also can be previewed or printed on the Web at <http://pubs.caas.psu.edu/>.

Study examines management control in U.S.-China joint ventures

China is expected to join the World Trade Organization later this year, opening up new opportunities for joint ventures between U.S. firms in the United States and China, like the recent joint-venture announcement between AOL Time Warner and Legend Holdings, China's largest computer maker.

While partners share control as well as the benefits of cooperation in international joint ventures, research by Barbara Gray of The Smell College of Business Administra-

tion is revealing new information on management control, performance and goal achievement in U.S.-China joint ventures. She co-authored a recent study with Anlin Yan of Boston University that used a sample of 90 U.S.-China manufacturing joint ventures to examine factors contributing to a firm having management control over its joint venture.

"Our results suggest that greater operational control exercised by a partner is associated only with a higher level of achieve-

ment on this partner's strategic objectives, and the division of control is not necessarily related to the international joint venture's overall success, as previous research has suggested," Gray said.

She added that in comparison with wholly owned enterprises, international joint ventures have been characterized as mixed motive games between the firms that simultaneously cooperate and compete.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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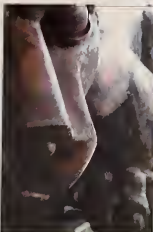
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Above: A closeup of the weathervane shows the scale of the project. **Right:** The newly installed Nittany Lion surveys the campus from atop Beaver Stadium. **Below left:** Sculptor Travis Tuck makes some last-minute adjustments. **Below right:** The Nittany Lion weathervane is hoisted to its new perch.

Photos: Greg Grieco



Nittany Lion weathervane to prowl atop stadium

By TYSEN KENDIG
Public Information

Although Mount Nittany may no longer be able to peer into the renovated confines of Beaver Stadium, at least one of the mountain's former inhabitants will still have the best seat in the house when the Nittany Lions take the field on Sept. 1.

A copper-plate weathervane likeness of the Penn State Nittany Lion, handcrafted by Martha's Vineyard sculptor Travis Tuck, has taken a permanent home 110 feet above the southwest corner of Beaver Stadium.

The weathervane was commissioned by University Trustee Joel N. Myers, founder and president of State College-based AccuWeather Inc. It measures 10 feet in length, three feet in width, and nine feet in height, and tips the scales at 2,000 pounds. Although the massive sculpture may not be able to predict the winds of fortune that await the football team this year, a combination of stainless steel ball-and-roller bearings will allow fans to gauge actual wind direction at the stadium.

"We believe this to be the second-largest working weathervane in the world," said Kathy Tackabury, spokesperson for Travis Tuck. The weathervane was hand-built of 3/4-inch copper plate utilizing repousse, a traditional folk art technique of metalwork also used to

construct the Statue of Liberty. The armature that supports the actual sculpture is made of stainless steel and weighs more than 700 pounds. The pattern for the sculpture was created using a four-foot, plaster of paris casting of the Nittany Lion made from a mold provided by the University. Using this model, sculptors Travis Tuck and Anthony Holand created 100 pattern pieces that enabled a proportionate recreation of the lion.

Tuck has designed original commissioned pieces in 43 states and 12 countries over a period of 34 years. He is best known as a sculptor of fine custom weathervanes, with a clientele that includes President and Mrs. Clinton, movie producer Steven Spielberg, former U.S. Sen. Frank Lautenberg, and entertainers James Taylor and Carly Simon.

The Nittany Lion weathervane was transported from Martha's Vineyard via flatbed trailer and affixed to its permanent home overlooking Beaver Stadium on Thursday, Aug. 2.

The weathervane is a symbolic addition to the \$93 million Beaver Stadium expansion and renovation project, tying together the University's strong athletic tradition with its world-renowned meteorology program. The department, perennially ranked No. 1 in the nation, prepares the daily weather report for *The New York Times* and other media outlets. In addition, a recent survey found that one of every four meteorologists in the United States is a Penn State graduate.

Tyson Kendig can be reached at tyson@psu.edu.



Intercom

INFORMING THE PENN STATE COMMUNITY

AUGUST 23, 2001

Grand Destiny Campaign hits \$1 billion mark

By MICHAEL BEZILA
University Relations

When he addressed the Board of Trustees last month, Grand Destinies Campaign Chair Jim Broadhurst spoke of an achievement that five years ago, even the most enthusiastic alumni may not have thought

possible: The campaign has topped the \$1 billion mark in raising gifts and pledges to support students, faculty and programs.

When the campaign was publicly announced in April 1999, it aimed to raise \$1 billion in private support. In May of this year, the trustees approved raising the goal to \$1.3 billion so that the University

has the resources to meet new and changing needs, identified after careful study by President Graham B. Spanier and the academic leadership.

Broadhurst had equally impressive news to disclose when he talked about gift totals for the year ending June 30. For the 10th consecutive year, gifts from alumni

and friends have increased. The University received \$177 million in gifts in 2000-2001, compared to \$171 million in 1999-2000 and \$83 million in 1995-96. The totals are gifts actually received and do not include campaign pledges.

Campaign, page 3

Much of the construction disruption at University Park ended with start of classes

The Office of Physical Plant is wrapping up one of its busiest summers ever at University Park. Major construction projects, utility work, building renovations and road paving all have made steady progress throughout the summer. Most of the disruption to vehicular traffic was finished before classes began Aug. 21 and returning students will find their campus much improved.

University Park is now bracketed by two lion symbols. The original Lion Shrine on the west side of campus will have a new plaza and enhanced green space. The eastern side of campus now is accented with the AccuWeather Lion Weathervane atop the renovated Beaver Stadium. The weathervane is expected to detect the winds of victory during football season, but also is detecting the winds of change across the campus. A current status listing of campus construction projects has been provided by Office of Physical Plant and includes the following:

Traffic-related projects

Curtin/Burrowes: The Curtin/Burrowes curve opened to traffic on Aug. 16. The remainder of this project, along with White Course Drive and the West Campus surface lot are scheduled for completion in early October.

Throughout campus the majority of the construction activity outside fence lines will be minimized and significant cleanup of construction sites will occur. Access for emergency services and emergency egress from buildings is being maintained throughout construction.

Construction projects

■ Roadway/walkway projects — Hastings Road, Curtin Road between Bigler Road and University Drive; Shortledge Road between Curtin Road and Park Avenue;



Employees in the Office of Physical Plant finish landscaping behind Old Main on the University Park campus. They had just finished planting five disease-resistant elm trees on the site.

Photo: Greg Grieco

Pell warns: There are no short cuts to research integrity

By BARBARA HALE
Public Information

Lapses in academic integrity and failure to follow established research guidelines have gotten national media attention over the past year due to the recent deaths of research subjects at Johns Hopkins and the University of Pennsylvania and a cheating scandal at the University of Virginia.

Recently, here at the University, a doctoral student was found to have falsified dissertation data. An investigation found the individual guilty and for the first time in the history of Penn State an individual was stripped of the doctoral degree awarded just a year earlier.

On Aug. 19, at a convocation for new and current graduate students, Eva J. Pell, vice president for research and dean of the graduate school, discussed the importance of research integrity and respect for the truth in the broadest context.

She told the students, "At this moment, you cannot imagine that you might ever seek a short cut — falsify data, pour a chemical down the drain, neglect to report an isotope spill, or conduct an experiment with animals or collect human subject data for which you neglected to get a protocol approved. Today, I hope none of you could conceive of engaging in such behavior — almost none of you ever will. But, some of you will experience pressure."

Pressure can come from many sources, Pell warned the students. She asked them to imagine a situation, in which their adviser needs data from a still-incomplete experiment for a proposal he or she

Integrity, page 3

Construction

Continued from page 1

Big Hollow Road, Service Drive between Whitmore Lab and Davey Lab; Service Drive behind the engineering units; College/Shortidge intersection; College/Pugh intersection; College/Burrows intersection; and the Old Main parking lot and walkways all are completed. The resurfacing of Porter Road between Curtin Road and Park Avenue is scheduled to be completed during non-football weeks in October.

- Jordan Center Americans With Disabilities Act (ADA) lot — The lot will be ready for use before the first football game.

- MBNA Career Services Building — Foundation work is progressing, while construction workers await delivery of steel. It is on schedule for completion in July 2002.

- Chemistry/life sciences utilities — It is on schedule for completion in late September.

- Chemistry Building — The scheduled start of construction is October.

- Life Sciences Building — The anticipated start of construction is December.

- Visual Arts Building renovation — Substantial completion is scheduled for this month.

- Field Maintenance Building — The building is occupied as crews work on finishing minor items.

- Pasquerilla Spiritual Center — Bids are scheduled to go out this month.

- Nittany Parking Deck expansion — Construction is scheduled to start in March 2002.

- West Campus housing — Scheduled completion is set for July 2002. Work is currently ahead of schedule.

- IST Building — The site utility package is under construction.

- Hamilton Hall sprinkler upgrade — This is substantially completed.

Miscellaneous ADA upgrades

Burrows Building and Pavilion Theatre elevators are to be completed in October. The Osmond Lab elevator project is scheduled to start in early September with completion by January. The Willard Building



A parking lot made accessible for people with disabilities will be ready for use before the first football game, which kicks off at 8 p.m. Saturday, Sept. 1, against Miami.

entrance is expected to be completed in October.

Traffic/pedestrian impacts

Traffic leaving Eisenhower Parking Deck to the east will be re-routed behind the Computer Building for the remainder of the Career Services project.

The walkway along the west side of Bigler Road adjacent to the Career Services Building construction site will be out of service until the completion of a storm water detention system installation. The walkway/drive behind Pavilion Theatre will be closed for the remainder of the elevator installation project.

A short section of Pollock Road between the residence halls and the intramural fields will be disrupted for a short period in early September to install a storm water line for the life sciences and chemistry buildings.

Pedestrian traffic on the Curtin/Burrows curve in front of Rec Hall will continue to be impeded from the curve to the shrine until final landscaping can be completed.

Vehicular and pedestrian traffic between Rec Hall and The Nittany Lion Inn will be prohibited until completion of the new roadway on Oct. 1.

Disruption to traffic in lot Red A will continue throughout the completion of West Campus housing, White Course Drive and the IST building.



West Campus development also is continuing on the University Park campus. This view shows Leonhard Building in the background of the new construction. Work on the West Campus housing project is currently ahead of schedule and should be complete by July 2002.



Photos: Greg Grieco

Several projects on the University Park campus this summer were aimed at increasing accessibility for people with disabilities. Here, ADA enhancements are being made to the front entrance to Willard Building.

Campaign

Continued from page 1

"Giving to the University has more than doubled since the campaign began," Broadhurst noted. "We are very grateful to Penn State alumni and friends everywhere for their generosity. Our campaign's success also has benefited from hard work by our volunteers and the development staff, and a robust economy."

The \$177 million received in 2000-2001 came from 116,971 donors, including about 71,000 alumni, said Broadhurst, who is chairman and CEO of Pittsburgh-based Etna Park Hospitality group and a 1965 graduate of the College of the Liberal Arts. Donors created 287 endowments in 2000-2001, including 149 new undergraduate funds (primarily scholarships), 63 funds for graduate students, 14 faculty funds (such as endowed professorships) and 61 program funds.

"This brings the University's total number of endowments to 3,162 — almost 1,200 of which have been created during the Grand Destiny campaign," explained Broadhurst.

Private gift endowment minimums to increase

To reinforce Penn State's efforts to attract faculty and students of outstanding quality, the University's Board of Trustees on July 17 approved raising minimum levels for student, faculty and other kinds of endowments that are created through private giving. The new minimums take effect July 1, 2002. The current levels for these endowments have remained unchanged since 1992.

Endowments are gifts that the University invests to provide support in perpetuity for programs designated by the donors.

"Because these levels have remained constant for a decade, Penn State has become less competitive in its ability to use endowments to support talented faculty and students, and students with exceptional financial needs," said President Graham B. Spanier.

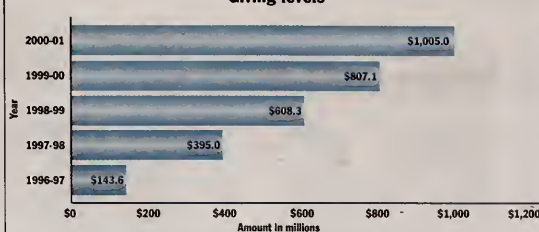
Spanier also noted that the current undergraduate scholarship endowment minimum produces annual income that covers only about one-fifth of an academic year's tuition. Income from some scholarship endowments no longer covers even the cost of books and class materials.

Current minimum endowment levels for graduate fellowships do not cover tuition, let alone a stipend to provide living expenses.

The Trustees' action came in response to the recommendations of the Named Endowments Task Force. Appointed in May 2000 by Vice President for Development and Alumni Relations Rod Kirsch and chaired by William L. Weiss, University Trustee and chairman emeritus of Ameritech Corp., the task force evaluated Penn State's current endowment levels relative to real costs and Penn State's competitive position relative to other institutions. The task force was also charged with recommending new minimum levels for consideration by the board.

The task force collected benchmarking information from Big Ten universities, private institutions, and internal surveys of Penn State's academic deans and directors of development, among other sources. The task force also consulted with donor and volunteer groups. In the cases where endowments have been long established at Penn State, minimum levels were consistently lower than those of other universities. This translates to a weak competitive position for Penn State to recruit and retain the nation's best available faculty members and students.

Giving levels



"But we still have a long road ahead of us to make Penn State more competitive in attracting the best students and faculty, and in giving it the resources it must have to serve Pennsylvania and the nation. We are counting on continued support from both current and new donors."

He added that "many donors, having seen the positive impact of their previous gifts,

are making more contributions to the campaign's new initiatives."

In its final two years, the campaign will emphasize giving to endowments, expanding alumni participation in the campaign and support for buildings and other facilities.

Michael Bezila can be reached at mxh13@psu.edu

New Minimum Endowment Levels

(previous minimums in parentheses)

Faculty Endowments

Dean's Chair.....	\$5 million (\$3 million)
Department Head Chair.....	\$3 million (\$2 million)
Faculty Chair.....	\$2 million (\$1.5 million)
Professorship.....	\$1 million (\$500,000)
Career Development Professorship.....	\$500,000 (\$250,000)

Faculty Fellowships, previously endowed at a minimum of \$250,000, no longer will be endowed, since their distinctiveness and strategic niche have largely been replaced by career development professorships.

Student Endowments

Graduate Fellowship.....	\$250,000 (\$100,000)
Undergraduate Scholarship.....	\$50,000 (\$25,000)
Academic Excellence Scholarship.....	\$150,000 (\$100,000)
Academic Excellence Scholarship (general).....	\$150,000 (\$50,000)
Renaissance Scholarship.....	\$30,000 (\$15,000)

Other Endowments

Awards.....	\$20,000 (\$10,000)
Libraries.....	\$25,000 (\$10,000)
Research.....	\$50,000 (\$10,000)
Lectureship.....	\$100,000 (\$50,000)

The task force also recommended that endowment levels be reviewed every five years. About one-third of all endowments established throughout Penn State's 148-year history have been created since the Grand Destiny fund-raising campaign began on July 1, 1996.

Endowment guidelines signed before July 1, 2002, will be honored at the previous levels.

Integrity

Continued from page 1

is writing. Or, she said, imagine a scenario in which a student made a commitment to present a poster at a professional society meeting months before, the presentation is due now, and there's no time to wait for the institutional review board to grant permission for an experiment. Sometimes a student simply doesn't want to let an adviser down, or wants to finish up before funding runs out or just wants to get the degree wrapped up because there's a job waiting.

Pell urged the students not to succumb to the temptation to fabricate, falsify or plagiarize or to circumvent the rules put in place by the institutional review boards. She said, "We are entrusted with the care of people, of animals and of our environment and we must treat this responsibility with the utmost respect."

Drawing on her own career as a researcher, Pell said, "The quest for insight is never-ending; if ever achieved the moment is fleeting."

She added, "I have enjoyed that rush of insight just a few times. It is totally exhilarating, providing momentum that can carry you for a long time, even after your pages turn two-dimensional again. There are no short cuts to experiencing truth and no road map to get there."

Pell urges faculty and staff members to help students by pointing them to the resources available to assist them in learning how to conduct research safely and ethically. At the University, the Office of Regulatory Compliance is responsible for providing training programs for human subjects and animal care and use. The office offers both training and testing for certification online.

See the Office of Regulatory Compliance Web site at <http://www.research.psu.edu/orc/> for more information.

Barbara Hale can be reached at bah@psu.edu.

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Lectures

Donna Shalala opens 2001-2002 series of Forum speakers

Donna Shalala, president of the University of Miami and former secretary of the U.S. Department of Health and Human Services, will give the season's first Penn State Forum lecture at noon Friday, Aug. 31, at The Nittany Lion Inn on the University Park campus.

Shalala has more than 25 years' experience as a scholar, teacher and administrator. Before assuming her role as Miami's president this past June, she served for eight years as secretary of Health and Human Services.

The Penn State Forum is a lunchtime speaker series offered by the Faculty Staff Club and sponsored in part by the Penn State Bookstore. It is open to the public. Tickets are \$10 for members and \$12 for non-members and include lunch. Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center. Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m., followed by the speech and a question-and-answer session at noon. For information call (814) 865-7590.

The following speakers are scheduled for the 2001-2002 series:

■ Friday, Sept. 7, The Penn State Conference Center Hotel: **Maxwell King**, executive director, The Heinz Endowments. The topic of his presentation is "The Soul of the New American City."

■ Tuesday, Sept. 25, The Penn State: **Frances Hesselbein**, chairman of the board of governors, The Peter F. Drucker Foundation for Nonprofit Management. The topic of her presentation is "Leadership Challenges in a New Century."

■ Friday, Oct. 5, The Penn State: **Janet Robinson**, president, *The New York Times*. Her



Donna Shalala



Maxwell King



Frances Hesselbein



Matthew Serbin Pittinsky



Valerie Ferguson



Loretta LaRoche



John Balaban



Carlos Cortes



Christopher Clausen



Jim Webb



Janet Robinson



Leonard Pitts

topic is "The State of the Times."

■ Friday, Oct. 19, The Penn State: **Matthew Serbin Pittinsky**, chairman, Blackboard Inc. The topic of his presentation is "dot-com and Beyond."

■ Wednesday, Nov. 14, The Nittany Lion Inn: **Valerie Ferguson**, regional vice president and managing director, Loews Philadelphia Hotel. The topic of her presentation is "Hospitality in Our World."

■ Monday, Nov. 26, The Nittany Lion Inn: **John Balaban**, poet-in-residence and professor of English, North Carolina State University in Raleigh. The topic of his presen-

tation is "Venturing Out: Excursions into Vietnamese Literary Culture."

■ Thursday, Dec. 13, The Nittany Lion Inn: **Carlos Cortes**, professor of history emeritus, University of California-Riverside. The topic of his presentation is "How the Media Teach about Diversity."

■ Thursday, Jan. 17, The Penn State: **Christopher Clausen**, University English professor. The topic of his presentation is "Nostalgia, Freedom and the End of Culture: America in the 21st Century."

■ Friday, Feb. 8, The Nittany Lion Inn: **Jim Webb**, Marine veteran, assistant secretary of

defense, Secretary of the Navy, and screenwriter, author, and award-winning journalist. The topic of his presentation is "Reflections on Asia, U.S. National Security and the Literary Life."

■ Wednesday, March 20, The Penn State: **Leonard Pitts**, syndicated *Miami Herald* columnist and author. The topic of his presentation is "Getting Over It: Race, Reconciliation and Two Big Fat Lies."

■ Tuesday, April 2, The Nittany Lion Inn: **Loretta LaRoche**, author, speaker and consultant. The topic of her presentation is "The Joy of Stress: Humor as a Coping Mechanism."

Harvard professor to discuss student needs and practices

Richard Light, professor of education at Harvard University and author of *Making the Most of College: Students Speak their Minds*, will speak about student needs and practices from 3:30 to 5 p.m. Friday, Sept. 7, in the HUB-Robeson Auditorium on the University Park campus.

Light is director of the Harvard Assessment Seminars, a consortium that brings together faculty and senior administrators from 24 colleges

and universities to carry out research on college effectiveness.

Light's talk is sponsored by the Teaching and Learning Consortium together with Eberly College of Science, the Office of Undergraduate Education and Schreyer Honors College. A light reception will follow his presentation. To register or for information, call the Teaching and Learning Consortium at (814) 865-4442 or email tlc@psu.edu.

Workshop series will inform research administrators

The Administrative Committee On Research Education Subcommittee and the Office of Sponsored Programs are sponsoring a series of research administration workshops during the 2001-2002 academic year.

The purpose of the series is to disseminate information pertinent to research administrators. These workshops are offered to all University employees: faculty, administrative assistants, staff assistants, post-doctoral degree

students, graduate assistants and all research personnel using the knowledge and experience of advanced research administrators.

For the list of workshops or to register online, check the Web at <http://grants.psu.edu> and follow the link to "Research Administration Workshop Electronic Registration."

To register using a paper form, complete the registration form and mail to Patty Prestash

at 110 Technology Center Building, University Park, PA 16802; or fax (814) 865-3377. The IDCC form for the workshop fees should be sent to the Supplier Desk address and Office of Sponsored Programs in order to complete your registration.

Call Vicki Spadaccio at (814) 865-0453 or e-mail vs4@psu.edu for content information. Call Patty Prestash at (814) 863-4019 or e-mail ppw1@psu.edu for registration information.



More Lectures

Conference to offer perspectives, prevention strategies on pregnancy

The 2001 Teen Pregnancy Prevention Conference will bring together practitioners and researchers in the field of adolescent development and teen pregnancy prevention to explore the factors influencing adolescent pregnancy and to discuss prevention.

It will be held Oct. 22 and 23 at The Penn State Conference Center Hotel on the University Park campus.

The conference is an outreach program of the College of Health and Human Development and the Pennsylvania Coalition to Prevent Teen Pregnancy. Topics of discussion include new paradigms for adolescent sexual health in America, substance use and adolescent sexuality, comprehensive sexuality education and the support of abstinence within a sexuality education program.

Deborah M. Roffman, author of *Sex and*

Sensibility: The Thinking Parent's Guide to Talking Sense about Sex, will discuss "Sex and Sensibility: New Paradigms for a New Century." Barbara Kemp Huberman will offer the concluding address, "Rights, Respect, Responsibility: A New Paradigm for Adolescent Sexual Health in America."

To receive a brochure, or to register, call (800) PSU-TODAY (778-8632).

For registration information, call Pamela Logan, conference planner, at (814) 863-5100 or e-mail ConferenceInfo@outreach.psu.edu. For program details, call Stephanie Tyworth, program planner, at (814) 865-0287 or e-mail sst3@outreach.psu.edu.

Visit the conference Web site at <http://www.outreach.psu.edu/C&I/TeenPregnancy/>.

Professor will talk about distances in space

Darren Williams, professor of physics and astronomy at Penn State Erie, will kick off the 2001-2002 Open House Nights in Astronomy Series on Thursday, Aug. 30, with "Measuring Distances in the Universe."

His presentation, which begins at 7:30 p.m. in 101 Otto Behrend Science Building, is free to the public.

Williams will give an overview of the

current methods used by astronomers to measure the distances to planets, stars and galaxies.

The lecture is intended for a non-technical audience. Astronomical observing at the Mehals Observatory will follow the lecture, weather permitting.

For information about the series, call the School of Science at (814) 898-6105.

Gerontology colloquium gears up for fall series

The University's Gerontology Center and the Geriatric Education Center of Pennsylvania will cosponsor the Fall 2001 Colloquium Schedule.

All discussions will be from noon to 1 p.m. Wednesdays in 108 Wartburg Laboratory on the University Park campus and will be teleconferenced to Lecture Room D at The Milton S. Hershby Medical Center.

The schedule follows:

■ **Aug. 29** — "Prescription Drugs and the Elderly: Further Considerations for Health Policy," Dennis G. Shea, associate professor, health policy and administration;

■ **Sept. 5** — "Longitudinal Studies of Aging: Past, Present and Future," Scott M. Hofer, assistant professor, human development and family studies;

■ **Sept. 12** — "Predictors of Physical Health and Arthritis Status in Older Community Dwelling African Americans," Tamara A. Baker, National Institute on Aging predoctoral fellow, biobehavioral health;

■ **Sept. 19** — "Longitudinal Studies and the Early Prediction of Risk for Dementia," K. Warner Schaie, Evan Pugh professor, human development and psychology;

■ **Sept. 26** — Topic pending, Martin Siwinski, associate professor, Department of Psychology, Syracuse University, Ithaca, N.Y.;

■ **Oct. 3** — "Age, Marital Processes and Symptoms of Depression," Janila Bookwala, associate professor, Department of Psychology, Lafayette College;

■ **Oct. 10** — "The Meaning of the Physical Self in the Second Half of Life — Two Studies," Yolande Kuin, professor of psychogerontology, University of Nijmegen, The Netherlands;

■ **Oct. 24** — "Fighting Physical Frailty: Maintaining New Fibers in Old Muscles," John A. Faulkner, senior research scientist and director, Institute of Gerontology; and professor of physiology, University of Michigan, Ann Arbor, Mich.

■ **Oct. 31** — "The Aura of Survivorship: Control in the Face of Declining Health Amongst the Oldest Old," Sara A. Leitsch, post-doctoral fellow, School of Social Work, University of Michigan, Ann Arbor, Mich.

■ **Nov. 28** — "Age-related Changes in Visual Sampling Characteristics During Locomotion Over Varied Terrain," Kate Christina, NIA predoctoral fellow, Department of Kinesiology.

On Oct. 8 and 9, a Social Structure Conference will be held at The Penn State Conference Center Hotel. Theme will be "Impact of Technology on Successful Aging."

Reno, Stein, among planned speakers

The 2001-2002 Distinguished Speakers Series brings to University Park seven internationally known figures, including a former attorney general, a rap star, a presidential speechwriter and a Pulitzer Prize-winning reporter.

The scheduled speakers are:

■ **Janet Reno, 8 p.m. Wednesday, Sept. 5, Eisenhower Auditorium.** The nation's first female attorney general, Reno headed the world's largest justice and law enforcement office (125,000 employees) for nearly eight years and was responsible for the enforcement of federal laws and for representing the government in court. The longest-serving attorney general since before the Civil War, Reno used the authority of her office to enforce civil rights and environmental and health statutes.

■ **Ben Stein, 8 p.m. Monday, Oct. 15, Eisenhower Auditorium.** Host of the Emmy-winning Comedy Central quiz show, "Win Ben Stein's Money," Stein graduated as valedictorian from Yale Law School, and served as a speechwriter and lawyer for Presidents Richard Nixon and Gerald Ford. Stein is a longtime screenwriter, author and a well-known actor in movies, television and commercials.

■ **Lisa Ling, 8 p.m. Tuesday, Oct. 30, Eisenhower Auditorium.** One of five female co-hosts of ABC's daytime talk show "The View," Ling brings a youthful perspective to the show. In addition to her work as co-host, she produces "It's a Ling Thing" and "Lisa's Money Thing" segments for the show. Before joining ABC, Ling was a reporter for Channel One News seen via satellite by more than 8.5 million students in more than 12,000 high schools.

■ **Chuck D, 8 p.m. Tuesday, Jan. 29, Eisenhower Auditorium.** As leader and co-founder of rap group Public Enemy, Chuck D defied rap music and hip-hop culture with his ability to rap about issues of race, rage and inequality. A producer, author and lecturer, he also is influential as a force in the alternative production, distribution and promotion of hip-hop and has long been one of the industry's most outspoken proponents of MP3 music.

■ **Bob Woodward, 8 p.m. Tuesday, Feb. 5, Eisenhower Auditorium.** Awarded the Pulitzer Prize for his work with Carl Bernstein reporting on the Watergate scandal in the Nixon administration, Woodward has been named one of the best investigative reporters in America by *The New York Times*. He has been the assistant managing editor of investigative news for the *Washington Post* since 1982.

■ **Gloria Steinem, 8 p.m. Thursday, March 21, Eisenhower Auditorium.** A noted writer and activist, Steinem has been a leader in the late-20th-century women's rights movement. Among her many achievements is the founding of *Ms. magazine* — the first national women's magazine run by women. She has helped organize and found some of the most prominent feminist organizations in the country, including the Ms. Foundation for Women, Women's Action



Janet Reno



Ben Stein



Lisa Ling



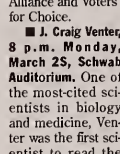
Chuck D



Bob Woodward
Alliance and Voters for Choice.



Gloria Steinem



J. Craig Venter

— the genome — as president and chief scientific officer of Celera Genomics Group and the founder, chairman of the board and former president of The Institute for Genomic Research, a not-for-profit genomics research institution, he made world headlines last year when Celera announced that it had deciphered the entire genetic code of a human being, which holds the key to important drugs and treatments for disease.

The Distinguished Speakers Series is sponsored by the University Park Allocation Committee and coordinated by the Distinguished Speakers Series Committee and the Office of Student Activities. Funded by student activity fees, the series is free to the public. Tickets are required for the events and will be available at the Eisenhower Auditorium box office about one week before each lecture.

University unveils enhanced LIAS for library users

By **HEATHER HERZOG**
Information Technology
AND **CATHERINE GRIGOR**
University Libraries

Faculty, students and other library users at 21 University Libraries locations across the commonwealth will encounter an enhanced and expanded Library Information Access System (LIAS) and online catalog (The CAT) this fall.

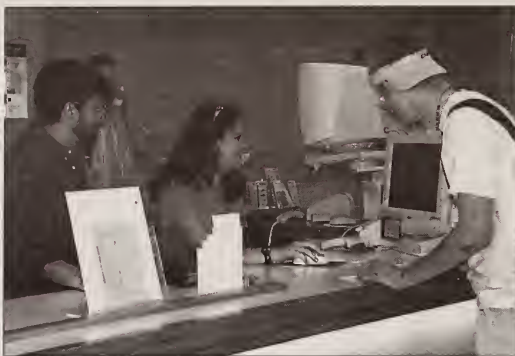
One-hour introductory seminars on the use and new features have been developed to help library users get the most out of the new system.

For a schedule of opportunities, go to <http://www.libraries.psu.edu/crsweb/instruction/ip/CAT.htm>. For a quick guide to using The CAT, go to http://www.libraries.psu.edu/crsweb/instruction/ip/LIAS_guide.htm.

According to Nancy L. Eaton, dean of University Libraries, those accustomed to using the Web version of LIAS and The CAT with its intuitive graphic interface will transition to the new system with ease.

"Researchers who have continued to use the original, early 1980s, character-based, Telnet version of The CAT, however, will see tremendous differences," she said.

The new LIAS replaces the Libraries' older, less integrated automated systems — some of which have a 30-year history of local development efforts — with a single, client/server system that supports all standard library operations, including acquisitions, cataloging, authorities, serials control, fund accounting and circulation. The new system further connects behind-the-scenes library operations and procedures. Its interoperability provides a platform for greater control over collections, increased efficiency of operations and a host of enhanced services. Equally important, it will enable Library Computing Services (LCS), the division of the Office of Computer and Information Systems that provides computing support to University Libraries, "to move from primarily developing and maintaining the online access system to being able to focus on digital library initiatives such as incorporating multimedia into Web-based collections and develop-



University library users learn about the capabilities of the expanded LIAS system.

oping a digital archive of multimedia objects for use in University research and instruction," according to Eric G. Ferrin, LCS senior director.

The University Libraries and LCS began examining options to update the University's library system in fall 1999. Commercial library management systems were of particular interest, with their demonstration of outstanding success in handling enormous amounts of digital information accessible through the Internet and their ability to do predictable, routine, in-house processes, such as cataloging and circulation. By capitalizing on the power, versatility and appeal of the Internet, these companies offer solutions that are changing the way the world conducts research and shares knowledge, Ferrin said.

"Besides offering enhanced search functions and behind-the-scenes ordering and processing capabilities, they are freeing libraries from laborious maintenance of databases and programming as well as from the cost of supporting homegrown systems," he explained.

Many academic and research libraries have converted to commercial systems as

a way to manage digital technologies and the wealth of information resources available today. In February 2000, after carefully examining the University's resource management needs, the Libraries and LCS agreed to contract with SIRSI Corp. to use its Unicorn Library Management System to enhance and update LIAS.

Months of planning and training sessions for more than 400 staff members at all University Libraries locations statewide prepared the Libraries and LCS for the massive transfer of more than 2.1 million bibliographic records, nearly 4 million item records, more than 120,000 patron records and more than 160,000 charges, holds and fees to SIRSI Unicorn and Workflows® software. To accomplish this, 11 teams of faculty, staff and computer professionals from the Libraries and LCS worked to define data conversion specifications, indexing profiles, Web screens, authentication, authorization and workflow for library functions and user interactions.

"Uprooting the established system and replacing it with an unfamiliar one was difficult and time-consuming, especially because we had to fully understand what

the new system could and could not do," according to Jack H. Sulzer, associate dean of Campus College Libraries and co-leader of the Policy Development Team. Tun N. Chin, director of Library Computing Services (LCS) and co-leader of the policy team, added that the new system was launched strategically after spring semester in three phases in order for potential bugs to be discovered and eliminated through the summer.

"The less-busy summer session served as a 'shake down' time to complete all of the necessary profiles and linkages, fix unanticipated problems, make any adjustments based on user feedback and generally stabilize the new system," he said.

In addition to enhanced features, The CAT continues to organize and index information about the Libraries collection in a searchable format. It has information about materials the University owns, such as books and journals at all Penn State locations, contractual access to Internet sites and other electronic resources. Increasingly many entries in The CAT offer hyperlinks to the full text of journals and Web sites as well as a variety of links to individual catalog records and up-to-the-minute circulation information.

Aided by the interoperability of behind-the-scenes systems, the LIAS reports module works in the background to supply on-demand or scheduled reports. When fully implemented, these reports will gather information about catalog and collection usage to assist ongoing planning and collection development, according to Bonnie MacEwan, assistant dean for Collections.

In the future, Libraries and LCS staff predict that the University will increasingly focus on expanding digital access to Libraries collections and services. Projects such as the development of virtual exhibits from materials in the Libraries collections are being made available for detailed study, anywhere and anytime. In addition, a recent initiative known as the Visual Image User Study (VIUS, pronounced views) is expected to help the Libraries lay the groundwork for future digital projects.

Heather Herzog can be reached at heh44@psu.edu and Catherine Grigor can be reached at cgg3@psu.edu.

OBITUARIES

Frederick L. Hoffman, assistant professor of industrial engineering in the College of Engineering, from Sept. 1, 1945, until his retirement April 1, 1969; died July 6, at the age of 95.

Kenneth W. Hybert, professor emeritus of education and director of rehabilitation education programs in the Col-

lege of Education, from Sept. 1, 1955, until his retirement Jan. 1, 1979; died July 19. He was 84.

Mary M. Jones, nutrition aide in the College of Agricultural Sciences, from Feb. 4, 1969, until her retirement June 29, 1985; died June 28, at the age of 78.

Dorothy E. Morning, senior clerk in Office of Undergraduate Admissions, from April 17, 1967, until her retirement Sept. 1, 1983; died July 5, at the age of 77.

Ethel M. Watts, food service worker in Housing and Food Services, from Oct. 1, 1973, until her retirement July 1, 1986; died June 21. She was 80.

PENN STATERS

Abhay Ashtekar, holder of the Eberly Family chair in physics and director of the Center for Gravitational Physics and Geometry, was invited to present lectures at three international events this summer. He delivered two plenary lectures in Warsaw, Poland. He delivered "Meeting Challenges of Quantum Gravity" during the E.T. Newman Fest and "Semi-Classical Issues in Quantum Gravity" at the Workshop on Canonical and Quantum Gravity held at the Banach Institute. At the Tri-annual International Conference on General Relativity and Gravitation in Durban, South Africa, Ashtekar presented the plenary lecture, "Recent Advances"; an invited review lecture titled "Isolated Horizons and Their Applications" during the session on Complex Methods, Twistors and Connection Variables; and an invited lecture titled "Semi-classical Issues in Loop Quantum Gravity" in the session on Quantum General Relativity.

Craig A. Grimes, associate professor of electrical engineering, presented a key lecture titled "Magnetism-based sensors" at Complex Mediums III, a conference organized as part of the 46th annual meeting of the International Society for Optical Engineering in San Diego, Calif.

Garo Goodrow, exhibits designer in information and communication technologies, received a Gold Award from the Agricultural Communicators in Education. His exhibit, "When Smoking is Not a Choice," received first prize out of 440 entries in this year's program. Goodrow received the award at the group's international meeting in Toronto.

Austin J. Jaffe, Philip H. Sieg Professor of Business Administration, with doctoral stu-

dent **Lynn M. Fisher**, presented an invited paper titled "Determinants of International Homeownership Rates" at the American Real Estate and Urban Economics Association International Conference in Cancun, Mexico. Jaffe made a panel presentation at the conference titled "Best Practices in Real Estate Education" and served on the program committee. Jaffe also served as the coordinator and moderator of the 2001 ERES Doctoral Program at the recent European Real Estate Society Conference in Alicante, Spain. Along with Fisher, he presented a paper titled "Explaining Economic Growth in Eastern Europe." Jaffe served on panels dealing with trends in real estate education and the future of real estate services.

Sridhar Komarneni, professor of clay mineralogy in the Department of Crop and Soil Sciences and Materials Research Institute, gave a keynote lecture on "Synthetic Clays for the Selective Uptake and Fixation of Toxic Metals" and served as chair for the session titled "Clays and Sorbents II" at the International Conference on Materials for Advanced Technologies in Singapore. He also gave an invited lecture titled "Low Temperature Nanophase and Nanocomposite Materials" at Universiti Putra Malaysia, Kuala Lumpur, Malaysia.

Akhlesh Lakhtakia, professor of engineering science and mechanics, chaired the three-conference program on Nanopenged Materials and Molecular Manufacturing at the 46th annual meeting of the International Society for Optical Engineering in San Diego, Calif. He also was the senior chair of the conference titled "Complex Mediums II: Beyond Linear Isotropic Dielectrics." He presented a paper titled "Microscopic model for static and dynamic loading of chiral-sculptured thin films."

Russell Messier, professor of engineering science and mechanics, presented a critical review lecture titled "Thin film morphology at low adatom mobility" at Complex Mediums III, a conference organized as part of the 46th annual meeting of the International Society for Optical Engineering in San Diego, Calif. Graduate student **Robert Knepper** was co-author.

Rebecca M. Peterson, instructor of biology in the Eberly College of Science, has been selected to Project Kaleidoscope's Faculty for the 21st Century — Class of 2001. Project Kaleidoscope works to build networks of individuals and institutions across the country with a common commitment to transform undergraduate science, mathematics, engineering and technology education.

The Penn Stater magazine received a Distinguished Achievement Award from the Association of Educational Publishers in the 2001 EdPress Awards competition, bringing the total number of national awards received this year to seven. The award was given in the Visual Story category for "More Than Real," the photo essay of Katarin Parizek's work, in the March/April 2000 issue.

The Penn State Alumni Association received two awards for its life member packet containing the life member card, certificate and booklet outlining benefits, programs and services offered by the association. The life member packet received an Award of Excellence in the category of Customer Communications in the 2001 APEX Awards for Publication Excellence and an Award of Distinction in the Marketing/Promotion/Self Promotion category from The Communicator Awards organization.

Clive A. Randall, professor of materials science and engineering, presented a critical review lecture titled "Complex media of ferroelectric and related materials" at Complex Mediums III, a conference organized as part of the 46th annual meeting of the International Society for Optical Engineering, in San Diego, Calif. The lecture was co-authored by J. Reaney of the University of Sheffield, United Kingdom.

Barbara J. Rolls, holder of the Helen A. Guthrie chair in nutrition and director of the Laboratory for the Study of Human Ingestive Behavior in the College of Health and Human Development, received the 2001 International Award for Modern Nutrition from the Association of Swiss Milk Producers at a ceremony in Brig, Switzerland. Rolls was being recognized for her cutting-edge research on how humans manage to select and consume an appropriate balance of nutrients while choosing from the vast array of available foods.

Omicron Tau, the University's chapter of Kappa Omicron Nu, a professional honor society whose membership is limited to students and graduates of family and consumer science programs, won three awards during the organization's recent biennial convocation. The chapter received the 2000-01 Chapter of Excellence Award, which recognizes a chapter for its excellence in programming and chapter management. The chapter also received a program award for its leadership development and focused diversity programs in 1999-2000 and another program award for its commitment to writing in 2000-01. The awards were presented during Kappa Omicron Nu's Leadership Convocation and Undergraduate Research Conference, which took place in Orlando, Fla.

Summer hockey



Hockey camp at Penn State may have been the coolest place in more ways than one during the August heat wave. Here, players at the Greenberg Sports Complex on the University Park campus give the goalie something to worry about.

Photo: Greg Grieco



Arts & Entertainment

Gender and sexuality exhibit

"To Make You Feel Proud: Gender and Sexuality Studies at Penn State" is on display Aug. 24 through Oct. 31 in the Candace and Patrick E. Malloy III Diversity Studies Room, 109 Pattee Library on the University Park campus.

This exhibit coincides with two other University events. The Commission on Lesbian, Gay, Bisexual and Transgender Studies marks its 10th anniversary in October, with the theme "A Decade of Pride: A Milestone on the Road to Equity." The second event is a lecture series sponsored by Department of English titled "Millennium, Approached: Queer Literary Studies in the 21st Century."

For information, call (814) 865-4861.

Center for Arts and Crafts

Registrations are now being accepted for the Center for Arts and Crafts full adult non-credit art classes beginning the week of Sept. 10.

Drawing studio, slide photography, scientific illustration, bronze carving, stained glass, yoga, fly tying and poetry are among the classes being offered. Brochures are available at the HUB-Robson Center information desk and in 207 HUB-Robson Center.

For more information or to register call (814) 863-0611.

'Riding the Rails'

"Riding the Keystone Rails—Selections from the Railroad Collections of the Special Collections Library," an exhibition by Historical Collections and Labor Archives, is on display through Oct. 20 in The Eberly Family Special Collections Library, 104 Paterno Library on the University Park campus.

The exhibition includes records of the Pennsylvania Railroad and Bellefonte Central Railroad; photographic, cartographic and postcard images; gift railroad book collections; and rare manuscript materials.

Hassell Meyer, a retired Bellefonte Central Railroad locomotive engineer, has loaned select pieces from his Bellefonte Central model railroad collection for display.

For information, call James Quigel at (814) 863-3181.

Civil War era exhibit

"Beauty Within the War-Torn Shadows: Visual Arts and Music of the Civil War Era" is on display Aug. 30 through Oct. 28 in the Pattee Library Exhibit area in the University Park campus.

The exhibit displays reproductions of paintings, photographs, prints and musical scores from the Civil War era.

Source books for this exhibit can be found in The CAT, the Libraries online catalog. Questions can be directed to the Arts and Humanities Library service desk at (814) 865-6481.



"Attendants in Service, Liao (907-1125)" is part of the exhibition "Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties." These works, excavated from two sets of tombs in northern China, are on display in the Special Exhibitions Gallery II, Palmer Museum of Art on the University Park campus, Sept. 4 through Dec. 16.

UNIVERSITY PARK CALENDAR

August 24 - September 2

SPECIAL EVENTS

Saturday, August 25

"Drop-In," gallery talk, 2 p.m., Palmer Museum of Art.

SEMINARS

Tuesday, August 28

Hidenon Sonoda on "The Off-Shell Renormalization of (Abelian) Gauge Theories in the Unitary Gauge," 3:30 p.m., 318 Osmond Lab.

Wednesday, August 29

Dennis G. Shea on "Prescription Drugs and the Elderly: Further Considerations for Health Policy," noon to 1 p.m., 108 Wartik Lab.

Thursday, August 30

Luca Benini on "Designing Energy-Efficient Systems On-Chip," 4 p.m., 102 Thomas.

Jayanth Banavar and Dan Larson on "State of the Department of Physics and the Eberly College of Science," 4 p.m., 117 Osmond Lab.

Friday, August 31

Donna Shalala, president of the University of Miami, 11:30 a.m. to 1 p.m., The Nittany Lion Inn.

EXHIBITS

HUB-Robson Center

"Three Award-Winning Medalists," by Jeanne Stevens-Solman, Lesonda Finke and Karen Worth, through Sept. 16.

"Anodyne," by Stephen E. Nelson, through Sept. 24.

North Labs exhibit area

Photographs by Jake Waldman, through Sept. 16.

Palmer Museum of Art

"Impressionism in Print: Etchings and Lithographs by Childe Hassam," through Sept. 9.

Pattee and Paterno Library exhibit areas

"To Make You Feel Proud: Gender and Sexuality Studies at Penn State," through Oct. 31.

"Riding the Keystone Rails—Selections from the Railroad Collections of the Special Collections Library," through Oct. 20.

Ritenour Center

"Secret Strengths," photos by Rebecca Porter, through Sept. 12.

Zoller Gallery

Exhibit of Work from School of Visual Arts Faculty, through Sept. 21.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>.

For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>

BOOK SHELF

Lourdes Diaz Soto, professor of education. *Making a Difference in the Lives of Bilingual/Bicultural Children*, Peter Lang Publishers.

Diaz Soto edited the volume, which is a guide to teachers and professionals. Contributors to the volume include experts as well as doctoral students from the University's Title VII federally funded Bilingual Program.

Manfred Kroger, professor emeritus of food science.

Consumer Health: A Guide to Intelligent Decisions, seventh edition, McGraw-Hill, 2001.

Kroger and co-authors **S. Barrett, W.T. Jarvis and W.M. London** have updated the book four years after the previous edition. It focuses on dynamics of the health marketplace, health-care approaches, nutrition, fitness, major health problems and products and services.

Shannon Sullivan, assistant professor of philosophy and women's studies. *Living Across and Through Skins: Transactional Bodies, Pragmatism, and Femi-*

nism, Indiana University Press, 2001.

Engaging the pragmatism of John Dewey, as well as the work of various feminist, genealogical and phenomenological philosophers, the author presents an account of corporeal existence as transactional and explores some of the social, political, ethical and epistemological implications of transactional bodies.

According to Sullivan, thinking about the body as being in transaction with its social, political, cultural and physical surroundings is not a new idea. Early in the 20th century, a view of human existence as patterns of behavior or actions shaped by the environment was elaborated by Dewey, one of America's most influential philosophers. Underscoring the relevance of Dewey's thought to contemporary issues and debates, Sullivan brings Dewey into conversation with continental philosophers especially Friedrich Nietzsche and Maurice Merleau-Ponty and feminist philosophers Judith Butler and Sandra Harding to extend thinking about the body in new directions.



News in Brief

Deputies graduate

The Penn State Justice and Safety Institute, an outreach service of the University, will hold a graduation ceremony for 32 deputy sheriffs from around the commonwealth at 11 a.m. Friday, Aug. 24, at the HUB-Robeson Center on the University Park campus.

Ronald L. Filippelli, associate dean of Administration and Undergraduate Studies, will speak. The deputy sheriffs completed a 14-week basic training program offered by the institute through a contract from the Pennsylvania Commission on Crime and Delinquency.

Fall computing open house

A number of sessions for faculty, staff and students will be held at the Center for Education Technology Services Fall Open House in 141 Computer Building on the University Park campus.

Participants can learn about the services, seminars and technologies available. Topics covered will include: access accounts, e-mail and WebMail, Web space, CourseTalk, QuizWizard, personal disk space, the student portal and a host of other technologies provided to the University community. No registration is necessary.

Sessions for faculty are 10:30 a.m.-noon Aug. 29 and 3-4:30 p.m. Aug. 30. Sessions for staff and students are 3-4:30 p.m. Aug. 27, 3-4:30 p.m. Aug. 28, 10:30 a.m.-noon, Aug. 31 and 3-4:30 p.m. Sept. 4.

For information, visit <http://cac.psu.edu/training> and click on the "Open House" link.

Safety first at children's fair

The Safe Children, Safe Families Fair is scheduled for 10 a.m. to 2 p.m. Saturday, Sept. 15, at the Bennett Family Center on the University Park campus.

The fair will address children's safety issues and how to handle them. Several organizations and companies will be in attendance to provide handouts, freebies and advice.

The Wacky House of Hazards from Children's Hospital of Philadelphia will be on site. It shows children and their families the potential home areas that can be dangerous and how to fix them.

Staff from The Bicycle Shop will demonstrate how to fit a child for a bike helmet. They also will show the best type of seat to get for parents' bicycles.

Car seat technicians will check car seats to see if they are properly fitted. Appointments are required for this service. Call (814) 865-3085.

For information, call Pam at (814) 865-3085.



Greg Simmers, foreground, and Greg Rank measured carpet for a new installation on all three floors at The Nittany Lion Inn on the University Park campus. They are employees of Tri-State Carpet in Chester. The project required unrolling and measuring the carpet in the parking lot.

Photo: Greg Grieco

Supply Chain Career Fair

The Center for Supply Chain Research in The Smeal College of Business Administration is holding a Supply Chain Career Fair from 1 to 6 p.m. Monday, Sept. 17, at The Penn State Conference Center Hotel on the University Park campus.

The event provides the corporate sponsors of the Center for Supply Chain Research the opportunity to meet with students to discuss internships and permanent employment opportunities.

To register, call Susan Kolbe at (814) 863-6085 or e-mail sek15@psu.edu.

Water conservation alert

With a drought watch declared in the Centre Region, the University community is being asked to conserve water.

"The Penn State wells are at the lowest levels I've ever seen," warned John Gaudlip, Physical Plant utilities systems engineer.

The following conservation measures are urged:

- Turn off unnecessary water flows and shut down water-cooled laboratory equipment when not in use.
- Report all dripping faucets, showers

and continuously running or leaking toilets to the OPP Service Desk at (814) 865-4731. One drip per second equals 3,000 gallons a year.

- Only wash full loads of clothing and dishes.
- Reducing shower time can save five to seven gallons per minute.
- Do not use running water to melt ice or frozen foods.
- Don't run water while shaving, brushing teeth or washing dishes by hand.
- Refrigerate tap water to avoid running the faucet to get cold water.

It is hoped that sufficient voluntary reduction of current water usage will diminish the need for more stringent restrictions later. If conditions do not improve, the University could begin mandatory water conservation measures. Whenever the governor declares a drought emergency, state law requires that mandatory water conservation measures be activated.

For information, call Gaudlip at (814) 863-8741 or e-mail jwg3@psu.edu.

'advising@psu.edu' debuts

A new Web site, "advising@psu.edu," offering University-wide academic advising help for students, faculty and staff is now online.

Developed and maintained by the Division of Undergraduate Studies and the Undergraduate Student Government Academic Assembly, "advising@psu.edu" has been designed to serve as a central source of information about academic advising and related educational topics at the University. This site provides original material developed specifically for this Web site as well as links to other Web sites with relevant academic information.

The Web address for the site is <http://www.psu.edu/advising/>.

IST offices moved

Several offices in the School of Information Sciences and Technology on the University Park campus have changed addresses.

The following changes have been made:

■ The Advising Center moved from 104 Rider Building II to 006 Thomas Building. The phone number is (814) 865-8947.

■ Joseph Lambert, senior associate dean, and staff moved from 504 Rider Building to 002C Thomas Building. The phone number is (814) 865-4461.

■ David Hall, associate dean for research and graduate programs, and staff moved from 504 Rider Building to 002C Thomas Building. The phone number is (814) 865-8711.

■ The IST Faculty mailing address is 001 Thomas Building.

■ The main information phone number is (814) 865-4461.



ISIT.com has relocated to Knowledge Park at Penn State Erie. It joins Aalborg Industries and GE Transportation Systems' e-Business Division at the park.

Dot-com company joins firms at Knowledge Park

ISIT.com, a growing dot-com company, has relocated to Knowledge Park at Penn State Erie.

The company is located in the park's second multi-tenant office building. The company leases 14,100 square feet of space on the first floor of the park's recently

opened 66,500-square-foot multi-tenant office building.

ISIT.com joins Aalborg Industries and GE Transportation Systems' e-Business Division in the 200-acre park, a joint effort of the Greater Erie Industrial Development Corp. and Penn State Erie.

United Way Campaign ready for launch

By LISA WEINSTEIN
Special to Intercom

The University's United Way Campaign, with a newly named chair and co-chair, is gearing up to start raising funds for many organizations throughout Centre County.

David Wormley, dean of the College of Engineering, is this year's campaign chair. William J. Anderson Jr., assistant vice president for physical plant, is co-chair. Together they plan to build on last year's success to make the campaign one of the best the University has ever seen. This year's goal, which will be announced later this fall, has not yet been established.

With the help of these two chairs, as well as every faculty and staff member, the campaign can become one of the University's largest philanthropies. One third of the total contributions to the overall Centre County United Way Campaign come from the University.

"United Way is so important in that it has a positive impact on families and children in the Centre County area by providing financial support that these families would otherwise not receive," Wormley said. "This campaign is critical to the University because every element of Penn State is affected by the United Way."

Every member of the University community has the opportunity to join together to bring aid to families and children that use the services offered by United Way agencies.

"Not only is the amount of money raised important, but also the participation among faculty and staff is equally, if not more, crucial to the campaign," Wormley said.

Participation in the campaign is partially

United Way golf tournament

The fourth annual Penn State/Centre County United Way Golf Tournament is scheduled for Sept. 17. Cost for the tournament is \$65 per person including golf, cart, shirt and dinner, and \$20 of the fee is tax deductible. The cost for dinner only is \$15 per person.

For more information, contact Paul Peworchik at (814) 863-1511 or jp@psu.edu, or John Dixon at (814) 863-3634 or jwd1@psu.edu.

based on departments within the University pulling together to create and be host to many events. Each event reflects the unique culture and interests of the faculty and staff. Events include a golf tournament, dinners, cookouts, auctions and bake sales.

One event held by the Centre County United Way office is the PNC Bank-United Way Day of Caring, which this year will be held on Thursday, Oct. 4. This day allows the University community to join forces with other members of Centre County for a day to work on special projects throughout the area.

Another easy way for faculty and staff to participate in the campaign is through automatic payroll deductions. Enrollment forms will be distributed mid-semester for this donation.

Some of the 35 local organizations that are helped by United Way are the American Red Cross, Women's Wellness Center, Mid-State Literacy Council and many of the local branches of the YMCA.

For more information on how to get involved e-mail Barb Smith at bxm7@psu.edu.

Smeal College is tops in awarding women baccalaureate business degrees

The Smeal College of Business Administration awards more baccalaureate degrees in business to women than any other institution in the country accredited by the Association to Advance Collegiate Schools of Business, according to data from the U.S. Department of Education.

During 1998-1999, the most recent year for complete data on the topic, the college graduated 716 women with undergraduate degrees in business, making it the largest producer of female bachelor's degree graduates among the institutions accredited by the association. Baruch College in New York and Texas A&M University round out the top three spots.

"Our undergraduate program is nationally

ranked and that attracts a large number of quality students into Smeal College. Our faculty and staff also strive to create a welcoming learning environment that is very supportive to women pursuing degrees in business at both the undergraduate and graduate levels," said Judy Olian, dean of the college.

"There also is a growing number of women in prominent positions throughout the college, and women are likely to look to them as role models."

Other factors that contribute to the growing number of female undergraduate students include mentoring opportunities, faculty reputation, thriving student programs, scholarships and internship prospects.

NEW AT PENN STATE

IST, business groups launch program to stop 'brain drain'

The School of Information Sciences and Technology (IST) is teaming with two business organizations to attract future information technology workers in the commonwealth.

Major support is coming in the form of an \$80,000 investment from the Ben Franklin Technology Center of Central and Northern Pennsylvania.

IST is collaborating with the Chamber of Business and Industry of Centre County and the York County Economic Development Corp. to connect its students with potential employers in central and south-central Pennsylvania. Called PA FutureConnect, the program is meant to help stem the out-migration of Pennsylvania's college graduates in information technology as they seek brighter job prospects elsewhere. One study has shown that companies in central and south-central Pennsylvania have had a particularly hard time filling information technology positions.

In this, its pilot year, the program is designed to accommodate 40 IST students at the University Park and York campuses. A conference in both the State College and York areas at the start of the fall semester will bring together potential employers and employees.

A Web site, at ist.psu.edu/futureconnect, has been created to provide information about the program, links to participating companies and online application forms.

Mont Alto renovates 2 campus buildings

Hammers are pounding and saws are grinding as workers at Penn State Mont Alto make major renovations to two student-centered buildings on the campus.

The General Studies Building and the Millstream Caf  will both have a new look when students return to the campus this fall.

The General Studies Building is the primary academic building on the campus. Sixty percent of the renovation project in this building will update the heating and cooling systems, according to Mike Ray, director of the

physical plant. The remaining 40 percent of the project will be cosmetic.

"We're adding carpeted classrooms, new vinyl hallways, new ceilings for better acoustics, additional telecommunication capabilities for computer hook-ups, a new sprinkler system, a new smoke and fire detection system, and new windows," Ray said.

The University is adding an additional 75 seats to the dining hall of the Millstream Caf  and redesigning the interior to make the offices more easily accessible for students.

"There will be three new dining areas, including a special events room that will be available for conferences and meetings," said Karen Kreger, housing and food services manager. "We're also moving the housing and food offices and the student ID photo center to the front of the building, making them easier to find for our new students."

Both projects are expected to be completed this month.

Training in lean manufacturing will benefit local industry

Improved efficiency and increased profitability are just two of the benefits local manufacturers may experience as the result of a new training package being offered by Penn State DuBois and the Northwest Pennsylvania Industrial Resource Center.

The campus and the center have teamed up to conduct a series of lean manufacturing courses designed to help local manufacturing plants remain viable in today's increasingly competitive global market. Lean manufacturing eliminates nonvalue-added processes in an organization, noted John Blasdel, campus continuing education representative.

The series is being offered two ways. Manufacturers may choose to have the training onsite. Individuals or smaller groups may enroll in classes this fall at the Industrial Technical Education Center in Ridgway.

The series in Ridgway features six one-day workshops held Tuesdays, starting Sept. 11. For information, call Penn State DuBois continuing education at (800) 346-ROAR or (814) 375-4715.



Appointments

Shenango man promoted to director of recruitment, admissions

David Kuskowski, director of enrollment management at Penn State Shenango, has been appointed director of recruitment and admissions for Penn State campuses in the Undergraduate Admissions Office.

In this position, Kuskowski will be responsible for working with the campus/colleges to develop and implement process improvements related to recruitment and admissions activities. He will advise and assist campus/college employees in identifying recruitment strategies and developing recruitment plans as well as provide leadership in developing special projects and yield enhancement activities.

Kuskowski began working for the University in 1993 as an admissions and academic counselor at Penn State Shenango and later



David Kuskowski

was appointed to the instructional development specialist position. Upon assuming the role of director of enrollment management at the campus, he became responsible for planning the integration of admissions and student aid, campus enrollment planning, marketing, and recruitment and retention activities. While at Shenango, Kuskowski also taught credit courses in counselor education, human development and family studies, and instructional systems as well as a variety of non-credit outreach courses.

Kuskowski earned a bachelor of arts degree in secondary education, comprehensive social sciences, from Ohio Dominican College and a master of science degree in education, counseling, from Youngstown State University.

Penn State Beaver names new admissions officer to post

Daniel J. Pinchot has been named admissions officer at Penn State Beaver.

He is responsible for the daily operations of the Admissions Office, including recruitment, enrollment, financial aid, special events and the supervision of four staff members.

Before his recent appointment, Pinchot worked for more than four years in the campus Office of University Relations as a writer, editor and most recently as assistant director. He has served as the campus director of alumni relations and will continue

to coordinate activities for the newly formed Penn State Beaver Alumni Society. He also served as coordinator of the Broadhead Cultural Center for more than three years.

Pinchot is a Penn State alumnus with a degree in journalism and speech communication and attended Beaver campus.

A former reporter with the *Beaver County Times* and freelance writer for the *Pittsburgh Post-Gazette*, he also holds a teaching certification in English communications from Robert Morris College.

Interim associate dean appointed in The Smeal College

Martin J. Kilduff has been appointed interim associate dean for research and doctoral degree/master of science programs in The Smeal College of Business Administration.

He replaces James Miles, who is returning to the Department of Finance faculty full time to focus on research and teaching.

Kilduff is professor of organizational behavior and has served as a doctoral degree adviser in the Smeal College's Department of Management and Organization.

Kilduff's research has appeared in numerous journals.

Financial aid counselor appointed at Penn State Beaver

Gail E. Gray was appointed financial aid counselor in the Admissions Office at Penn State Beaver.

Gray had previously served as the campus Educational Opportunity Center counselor since 1998.

Gray's new duties include assisting students with financial aid needs by providing them with information and access to federal and state loans and grants, scholarships, work study funds and other sources of financial aid. She serves as a member of the campus scholarship committee, which awards private scholarship funds to students who meet the scholarship criteria.

Gray also will serve as an adult student

counselor, recruiting and helping adult students through the admission and enrollment process.

Before her positions with Penn State, Gray worked for Life Management Consultants Inc. as a home-based waiver coordinator and for Community College of Beaver County as a supportive services specialist and an instructor.

Gray holds an associate degree in law and social science from Community College of Beaver County, a bachelor's degree in political science from the University of Pittsburgh, and is working toward a master's degree in instructional leadership at Robert Morris College.

Berkowitz named interim director of academic affairs at York

Leonard J. Berkowitz, associate professor of philosophy at Penn State York, has been named the interim director of academic affairs at the campus for the 2001-2002 academic year.

He replaces William Eaton, who is leaving Penn State York to accept a position as associate vice president of academic planning at California State University, Monterey Bay.

A faculty member at Penn State York since 1972, Berkowitz earned his bachelor's degree in psychology from Duke University and his master's and doctorate in philosophy from Johns Hopkins University. He teaches courses in philosophy, including a course in medical and health care ethics.

A member of the Faculty Senate since 1978, Berkowitz served as the organization's chair in 1998-99. Berkowitz chaired the subcommittee that developed the current forms

of peer and student evaluation of teaching. He also chaired the task force that reorganized the two-year engineering technology programs in the University by establishing the School for Engineering Technology and Commonwealth Engineering.

As chair of the University Senate, Berkowitz served as a faculty liaison to the University's Board of Trustees and Alumni Council.

In 1991, Berkowitz received the University-wide Aetna Award for Excellence in Teaching and last year he received the Penn State York James H. Burness Award for Excellence in Teaching.

Berkowitz has served on the Executive Council of the Association for General and Liberal Studies, and is a frequent presenter at its national conferences. Most recently, Berkowitz received the 2001 McKay Donkin Award given annually by the University.

Huss promoted to director of the Intellectual Property Office

Ronald J. Huss, associate director of the Intellectual Property Office since December 1996, has been appointed director of that office within the vice president for research administrative unit.

Huss came to the University with more than 12 years of experience with a contract research and development biotechnology company, including six years as director of business development and four years as director of research.

Under the direction of Gary W. Weber, assistant vice president for research and director of technology transfer, Huss will oversee activities at the Intellectual Prop-



Ronald J. Huss

erty Office, which include assessing the commercial potential of more than 200 University inventions per year, formulating and implementing patent strategies, marketing University inventions and negotiating agreements. Huss will serve as the office representative to the newly created Patent Review Committee.

Huss received a bachelor of arts degree in biochemistry from the University of Wisconsin and his doctoral degree in biochemistry from the University of Illinois, Champaign-Urbana.

2 administration positions filled at New Kensington campus

Two key administration positions have been filled at Penn State New Kensington.

Arlene Hall, a veteran administrator at the University, has been named director of academic affairs after serving for several months as special assistant to the campus executive officer for academic affairs. Jackie Kallal, recently the executive director of the Indiana County Tourist Bureau, is the campus's new director of institutional advancement.

An associate professor of kinesiology, Hall joined the faculty in 1976 after teaching

in Pennsylvania and Maryland schools. Her research work has been published in a number of academic journals. She received her doctorate from the University in 1991.

Kallal has had extensive experience in writing and marketing for radio, print media and community relations as well as in the areas of development, fund raising and special events. She was special projects director for the YMCA of Indiana County after working for radio stations in three western Pennsylvania markets. She is a graduate of Indiana University of Pennsylvania.

New MBA faculty director named in The Smeal College

J. Edward Ketz has been named the MBA faculty director of The Smeal College of Business Administration.

The MBA faculty director is the liaison to the faculty involved in the MBA core, portfolios and immersion experiences.

Ketz is associate professor of accounting and has had a long involvement in the MBA program. In 1999 he was awarded the MBA

Teaching Award by the Smeal MBA students.

He is the author of four textbooks, three monographs and more than 50 articles. His commentary is published in *Accounting Today*, he co-edits *Advances in Accounting Education* and he is a frequent contributor to the national media on accounting ethics and financial reporting issues. He will assume his new duties immediately.



Awards

Commonwealth College honors Penn Staters of the Quarter

Each location of the Commonwealth College recognizes an outstanding faculty member, staff member or student each calendar quarter. Below are the individuals who have made the greatest contributions to their locations of the Commonwealth College during the months of April, May and June.

■ **Beaver:** Gary Knott, community service officer. Knott investigated a situation that led to the identification of individuals who were charged with ethnic intimidation. In a similar case, an individual that was sending harassing e-mails to a faculty member also was identified and charged.

■ **Delaware County:** Theresa Walls, staff assistant in instructional services. One of Walls' regular assignments is submitting the Student Rating of Teaching Effectiveness questionnaires for the faculty at the campus. Recently, she was singled out by the associate provost's office as having the fewest errors in the SRTS submission among all units of the University. This past year the SRTES from Delaware County had zero errors.

■ **DuBois:** Lisbeth (Libby) Hoover, Campus Health Services nurse. During the quarter, Hoover provided programming for students, faculty and staff to help them maintain and improve their health and well-being. She worked extended hours to support both on- and off-campus activities which increased the positive reputation of the campus.

■ **Fayette:** Gina Jones, student. When the Ku Klux Klan visited the area, Jones helped spearhead the P.E.A.C.E. rally. It drew a broad cross-section of people from the campus and from the community for a day of shared fun, laughter and food. What could have been an occasion of confrontation and ignorance was turned into a day of enjoyment and good memories through her efforts, courage and conviction.

■ **Hazleton:** Joanne Fennewald, assistant librarian. In just one year, Fennewald created an atmosphere of teamwork, service and enthusiasm that was never apparent in the library before. The library has become a welcoming place for students and faculty, as well as a wonderful place to work, under her direction.

■ **McKeesport:** Joanne Vidnovic, staff assistant for undergraduate studies in Academic Affairs. During the quarter, Vidnovic played a large part in organizing the positive initial college experience that students first receive during FTICAP. Her organiza-

tional skills and dedication ensured that FTICAP ran smoothly and the experience for the student was a positive one.

■ **Mont Alto:** Stan Aungst, assistant professor of information sciences and technology. During spring semester Aungst guided the IST 240 class in developing the "Virtual Coconuts" project. This project was made into a case study by IBM featured on its Web site and also was taught at the Pennsylvania Governor's School for Information Sciences and Technology.

■ **New Kensington:** Nancy Burns, staff assistant in admissions. During the quarter, Burns demonstrated commitment to the campus students by taking time to listen to their personal as well as their academic problems. She has been supportive of student activities as evidenced by her attendance at evening programs.

■ **Shenango:** Carol Stewart, staff assistant in the Physical Therapy and Occupational Therapy Program. Stewart successfully compiled all the necessary materials for the accreditation team to review during the reaccreditation visit in June. The team had complete material and the results of the review were positive for the campus.

■ **Wilkes-Barre:** Janet Rosenbaum, assistant director, Continuing Education. During the quarter, the campus received positive feedback from students about the extended efforts made by Rosenbaum to assist them as they worked toward Penn State certificates and degrees. Many of the special efforts that she made for students were not visible to the general campus community because she manages the programs offered off-site.

■ **Worthington Scranton:** Scott Winters, instructional service and computer specialist. Winters provided technical support to the Student Government Awards Dinner, Commencement, the Honors Convocation and the Ridge View Society Dinner. These events were literally back-to-back and all of these events were after hours and essential to the rich fiber of the campus during graduation celebrations.

■ **York:** Deb Latzko, student. Latzko was a full-time student who graduated in May with an associate degree in IST and a 4.0 GPA. Over the past academic year she was a tutor and supplementary instructor in the Learning Center, a member of the Student Activity Fee Committee and was involved with campus retention studies. In addition to her involvement in all of these activities, she gave birth in April.

Delco honors 5 for service to the campus

Five employees at Penn State Delaware County were recently honored for their service.

Three employees in the admissions department were awarded the campus' Lion's P.A.W. award. The winners are Luanne Fox, admissions counselor; Donna Neidich, staff assistant; and Winnie Chiorazzi, staff assistant.

Fox earned the award for her "untiring efforts to keep the admissions department moving forward as they approached the end of the recruiting season, and her candor attitude and unfailing optimism," according to Deb Erie, director of outreach for the campus.

Chiorazzi was honored for her "knowledge of systems, procedures and office needs, combined with her problem-solving approach to everything related to good customer service," Erie said.

Neidich was recognized because "in addition to her regular duties, she quickly learned the admission department's application process for provisional and regularly admitted students, and within no time, students were receiving office packets promptly and accurately," according to Erie.

Denise Ripchinski, a staff assistant in the executive office, was awarded the John D. Vairo Service Award. The award was given in acknowledgment of her exceptional service to the well being of the campus.

Joyce Rigby, campus registrar, was awarded the Staff Award for Outstanding Service for 2001.

Rigby was honored for her "untiring efforts in providing for appropriate course



Luanne Fox



Donna Neidich



Winnie Chiorazzi



Denise Ripchinski



Joyce Rigby

executive officer of Penn State Delaware County.

Shenango honors 2 with teaching awards

The Penn State Shenango 2000-2001 teaching awards were announced at the campus' advisory board annual dinner meeting.

Indu S. Das, associate professor of general engineering, was awarded this year's Leonard R. Riformaggio Memorial Teaching Award and Vincent J. Lisi, instructor in philosophy, was awarded the Margaret Cunningham Foley Memorial Teaching Award.

Das joined Penn State Shenango in 1984 as an assistant professor of engineering and was promoted to associate professor in 1992. His research and special interests are in jet noise, computational flows and high speed flow. Over the years, he has been involved in sponsored research activities at NASA Lewis Research Center.

Lisi, a part-time instructor at Penn State Shenango, was hired in the fall of 1990 to teach both philosophy and religious studies. In addition to teaching philosophy at the Shenango campus, Lisi teaches at Youngstown State University in its Department of Philosophy and Religious Studies.

He also is a professional speaker in the areas of motivation, personal growth and spirituality.

The Leonard R. Riformaggio Memorial Teaching Award, formerly the Penn State Shenango Teacher of the Year Award, is bestowed on a full-time faculty member who has been chosen through a series of steps that include nomination and recommendation from both students and the nominee's peers. Riformaggio, for whom the award was named, was an associate professor of history and the first recipient of this award. He taught at the Shenango campus for 26 years until he died in 1999.

The Margaret Cunningham Foley Memorial Teaching Award, formerly the Penn State Shenango Adjunct Teacher of the Year Award, recognizes outstanding part-time faculty at the campus. This award was established in 1998. Margaret Cunningham Foley was an English instructor at Penn State Shenango from 1967 to 1994. She died in 2000.



More Awards

2 faculty members get William Elliott fellowships

Charles Cao and Abdullah Yavas of The Smeal College of Business Administration were recently named as recipients of William Elliott Faculty Fellowships.

Cao is associate professor of finance. In addition to teaching MBA and doctoral degree courses, he researches derivative securities markets, market microstructure, mutual funds, stock repurchases and IPO lockups. His research has been published in a wide range of academic journals. He serves as an associate editor of the *Journal of Financial Markets* and *Annals of Economics and Finance*.

Yavas is professor of business administration and the research director of the Institute for Real Estate Studies. He currently serves on the Board of Science of the

International Black Sea University, Republic of Georgia. Since joining the University, he has been involved in the undergraduate and graduate programs in real estate. He has been active in research and is the author or co-author of numerous articles in various real estate, finance and economics journals.

The William Elliott Fellowships provide funds to outstanding faculty members of the college whose teaching and research directly relates to the insurance industry, its business management and investment management of insurance companies. The fellowships are named in honor of the late William Elliott, former chairman of the executive committee of Philadelphia Life Insurance.

MERIT award honors work on retrovirus assembly

John W. Wills, professor of microbiology and immunology in the College of Medicine at The Milton S. Eshersky Medical Center, has received a MERIT (Method to Extend Research in Time) award from the National Institutes of Health for his laboratory's studies of retrovirus assembly and budding.

Their work has provided numerous insights on how viruses are released from the surface of infected cells. A greater understanding of this mechanism eventually may provide new ideas for how to prevent viruses from spreading. The award will provide the Wills laboratory with eight to 10 years of additional grant support, thereby allowing them to focus less of their

effort on the preparation and submission of grant applications and more on virus research.

MERIT awards are reserved for outstanding individual investigators, but researchers themselves cannot apply for these awards. Instead, they must be nominated by their program directors at NIH, and the decision for approval is subsequently made by the NIH Advisory Board.

Wills was recognized for his work having been continuously funded by the National Cancer Institute for 14 years, the last 10 of which have been at the University, and having received a score in the top 0.5 percent on his grant renewal application.

Air Force ROTC is best detachment in nation

The Penn State Air Force ROTC was selected by Headquarters, Air Force ROTC at Maxwell Air Force Base in Alabama for the 2000/2001 National Right of Line Award.

This award gives the unit the distinction of being the best detachment among 143 Air Force ROTC units in the nation.

The University's Air Force ROTC previously won the High Flight Award for the best detachment out of 37 units in the Northeast region and went on to compete nationally. The Right of Line Award is given to the top unit that displays the best overall academic record, retention of cadets, cadet activities, university relations, com-

munity service and innovation. The unit received the only "outstanding" rating given this year by the Air Education and Training Command's inspector general to any of the 143 Air Force ROTC detachments nationwide.

Following its inspection, the unit continued to excel with a strong academic record, more than 2,000 hours of service to the community, more than a million dollars in scholarship funding and dozens of "firsts" within ROTC and the community.

For information about the Air Force ROTC program at the University, check the Web site at <http://www.airforce.psu.edu>.

Lending a helping hand



University President Graham B. Spanier helps the Melching family from Philadelphia unload daughter Ana's belongings at Pennypacker Hall on the University Park campus. Students returned to the campus Aug. 18 for the start of the fall semester.

Photo: Greg Grieco

PROMOTIONS

Technical Service

William L. Boon, janitorial worker in Office of Physical Plant

Konnie M. Hosterman, maintenance worker, utility in Office of Physical Plant

Tina M. Schultz, janitorial worker in Office of Physical Plant

Staff

Gregory A. Babich, research engineer in Applied Research Laboratory

Edward F. Bala, senior research programmer in Computer and Information Systems — Center for Academic Computing

Steven J. Barnett, research engineer in Applied Research Laboratory

Kent M. Becker, lead research programmer in Computer and Information Systems — Center for Academic Computing

Linda M. Bell, administrative assistant II in The Smeal College of Business Administration

Sharon A. Blough, staff assistant VII at Penn State Harrisburg

Mark J. Bregar, research engineer in Applied Research Laboratory

Kathryn L. Carper, financial analyst in Auxiliary and Business Services

Judith L. Cerenzia, research engineer in Applied Research Laboratory

Melissa K. Cole, staff assistant IV in Housing and Food Services

Kathie M. Conklin, staff assistant VII in Division of Outreach and Cooperative Extension

Robert L. Corman, construction and contract assistant in Computer and Information Systems — Telecommunications

Connie H. Di Andreth, network support specialist in Division of Auxiliary and Business Services

John E. Dzielski, research engineer in Applied Research Laboratory

Edward A. Eagles, senior research programmer in Computer and Information Systems — Center for Academic Computing

Susan L. Eberly, coordinator, general clinical research center in College of Health and Human Development

Glen M. Feagley, computer support and facility coordinator in Business Services

Teresa A. Markle, senior technician research in College of Medicine, The Hershey Medical Center

Deborah J. Marron, director program development and enrichment in Division of Development and Alumni Relations

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Partings

John J. Coyle, leader in logistics, retires

John J. Coyle, the first person to teach a course at Penn State under the label "business logistics" in 1964, has retired from the University after 40 years of service.

Coyles, who retired with emeritus status, will continue to serve as director of corporate relations for the Center for Supply Chain Research in The Smecal College of Business Administration.

He has played an active role in developing the logistics and transportation program at the University since joining the faculty in 1961. It is the nation's top-ranked program in its field, according to recent surveys.

Coyle's many career highlights include 11 college and university awards for outstanding teaching and receiving the Council of Logistics Management's top honor, the Distinguished Service Award, in 1991.

The John J. Coyle Faculty Endowment was recently established in his honor. Hundreds of his colleagues, former students, and individual and corporate friends have committed more than \$400,000 to the fund, which will endow a professorship to support the work of an outstanding member of the business logistics faculty.

In 1988, several faculty members and their spouses created the John J. Coyle Scholarship and, over the years, friends and alumni have contributed more than \$134,000 to the fund. To contribute to the endowment or the scholarship, contact Phillip Boldo of the Smecal College Development Office at (814) 863-4955 or pxb36@psu.edu.



John J. Coyle

Coyle also has been active in various University affairs. He has chaired many University-wide committees and served as chairman of the University Faculty Senate. Coyle also served for 30 years as the faculty representative to the NCAA and the Big Ten for Penn State. He served as special assistant for strategic planning to the University president from 1983 to 1986 and from 1989 to 1991. During 1983 to 1987, he served as assistant dean and director of the Undergraduate Program, and as associate dean in Smecal College from 1987 to 1989.

Coyle has written more than 100 publications in the areas of transportation and logistics and is the co-author of two best-selling textbooks. He was editor of the *Journal of Business Logistics* from 1990 to 1996. He currently serves on the editorial review board of the *Journal of Business Logistics*, the *Supply Chain Review* and the *International Journal of Physical Distribution and Logistics*.

He has consulted and provided in-house educational programs for more than 200 companies. He has been involved as a lecturer on the Executive Management Program, the National Industrial Distributors Program, and the Materials Management — Physical Distribution Program. Coyle has been involved in a major program of instructional innovation involving television-taped modules for which he has received several teaching awards. Several Fortune 500 companies and other universities also are using the latest edition of the tapes.

Management science professor retires

After more than 35 years of service to the University, Ronald Koot retired on July 3.

He had been a member of The Smecal College of Business Administration faculty since 1966.

A professor of management science, Koot served as associate dean for undergraduate programs from 1987-2000. Before that, he was assistant dean for graduate programs, faculty director of international programs and director of the USAID Penn State University of the West Indies Project.

He has taught statistics in undergraduate and graduate level courses and economics in the MBA program. Koot was a



Ronald Koot

recipient of the MBA Excellence in Teaching Award as well as the Smecal College Esther "Sis" Spicher Faculty Award for service to students.

Koot's research interests are in the areas of econometric modeling of firms, financial institutions and the macro-economy. He also has an interest in logistical problems and economic development.

His research has been published in several journals. Koot also has served as associate editor of the *Journal of Financial Research*. On the basis of his published research, he was selected for *Who's Who in Economics*.

Julien Biebuyck retires from College of Medicine

Dr. Julien F. Biebuyck, Eric A. Walker chair emeritus, retired from the University on June 30.

Biebuyck, who led academic affairs at the College of Medicine since 1990, stepped down as senior associate dean on Dec. 31. In January, Biebuyck began working closely with Darrell G. Kirch, senior vice president for health affairs at the University, dean, College of Medicine and chief executive officer of The Milton S. Hershey Medical Center, as a special assistant to the senior vice president. Biebuyck worked toward facilitating the expanded research, clinical and education collaboration, jointly planned by President Graham B. Spanier and Kirch, for the College of Medicine and University Park campuses.

His University-wide role also involved establishing links with other academic medical centers with similar goals through closer relationships with the Association of American Medical Colleges.

During the past 10 years, Biebuyck was involved in several University and college initiatives including planning for the development of the Life Sciences Consortium.

Biebuyck spearheaded the development of the Institute for Clinical Research and its Office of Clinical Trials, a joint project by the University and The Milton S. Hershey Medical Center. The overarching vision for this institute is to give access to patients in



Julien Biebuyck

the Lehigh Valley, University Park, Centre County and Central Pennsylvania to the newest diagnostic and therapeutic modalities for many diseases.

Biebuyck was educated at the University of Cape Town (medical degree) in South Africa and Oxford University (doctoral degree in philosophy) in England. He was on the faculty of Harvard Medical School

and the Massachusetts General Hospital. He was named the Eric A. Walker chair of anesthesia in 1977, a position he held for 20 years. During his leadership of the discipline of anesthesia, he initiated the first palliative care service at The Hershey Medical Center and created and established the Cognitive Science and Simulation Development Laboratories. He was the first to establish laboratories in neuroscience combining research in the mechanisms of sleep, unconsciousness and coma. An endowed professorship, the Julien F. Biebuyck professor of anesthesiology, has been established in his name.

Currently a Robert G. Petersdorf scholar-in-residence at the Association of American Medical Colleges, Biebuyck is researching and writing what he hopes will be a seminal text defining best practices in the selection, recruitment, appointment and development of department chairs in academic medicine.

Eva Tucker retires from Erie after 37 years

Eva Tucker, assistant professor in geoscience at Penn State Erie, has retired after 37 years of service.

He received his bachelor's and master's degrees in geology from the University of Cincinnati and taught at Lincoln Heights and Cincinnati public schools before coming to Erie in 1964.

While at Erie, Tucker supervised numerous undergraduate student research projects and wrote articles published in scholarly journals. Through his accomplishments he has received the University Faculty Interchange Program Award and

the NASA Summer Faculty Fellowship Award among many others. He has been honored for his work with the Pennsylvania Department of Environmental Resources, Erie Redevelopment Authority and as president of the board of the School District of the City of Erie.

During his retirement Tucker plans to continue his 20-year involvement with the Erie school board and volunteer at local elementary schools to assist with their science programs. Traveling, reading and relaxation also are on his agenda for the years to come.

Associate professor of music, recitalist retires

June Miller, associate professor of music, retired after 35 years at the University.

In addition to her teaching duties, she has been active as a recitalist, organ accompanist, service player, continuo player and clinician.

A member of the American Guild of Organists, she has presented numerous workshops and lecture-recitals for the organization, in addition to judging organ-playing competitions and teaching young

organists at pipe organ encounters and the University's summer music camp.

She won an award for outstanding teaching and advising from the College of Arts and Architecture Alumni Society in 1988. In 1990, she served as educational coordinator for the guild's western Pennsylvania region.

Currently the associate organist at Grace Lutheran Church in State College, she plans to travel and remain active professionally.



Focus on Research

Nuts cut coronary heart disease risk

By BARBARA HALE
Public Information

In the most comprehensive review yet of the available epidemiological and clinical evidence, University researchers have concluded that eating tree nuts or peanuts can have a strong protective effect against coronary heart disease.

Penny Kris-Etherton, distinguished professor of nutrition and lead author of the review, said, "To date, five large epidemiologic studies and 11 clinical studies have demonstrated that frequent consumption of nuts decreases the risk of coronary heart disease."

The most improvement comes with adding very small amounts of nuts — an ounce, or about three to four tablespoons, five or more times a week.

"However, you can't simply add nuts, nut butters or nut oils to your usual diet without making some adjustments," Kris-Etherton said. "You have to replace some of the calories you usually consume with nuts and substitute the unsaturated fat in nuts for some of the saturated fat in your diet."

The study co-authors are Guixiang Zhao, a doctoral candidate and a Klugman Scholar in Nutrition; Amy E. Binkoski, doctoral candidate in the Life Sciences Consortium; Stacie M. Cova, master's degree candidate; and Terry Etherton, distinguished professor and head of the dairy and animal sciences department.

The researcher's review of the existing published epidemiologic studies shows that consuming 1 ounce of nuts more than five times a week can result in a 25-to-39 percent reduction in coronary heart disease risk among people whose characteristics match those of the general adult U.S. population.

Among the nuts consumed by the people who took part in the epidemiologic studies were almonds, brazil nuts, cashews, hazelnuts, macadamia nuts, pecans, pistachios and walnuts, as well as peanuts. However, the effects of specific nuts on coronary heart disease risk were not evaluated in these studies



Penny Kris-Etherton, distinguished professor of nutrition, measures peanuts. University researchers have concluded that eating tree nuts or peanuts can have a strong protective effect against coronary heart disease.

Photo: Greg Grieco

due to difficulties in classifying consumption patterns of specific nuts and because of the small number of cases in each category. In typical American diets, peanuts account for approximately half of all nuts consumed.

The 11 clinical studies reviewed by the researchers focused on the blood cholesterol-lowering effects of nuts. Collectively, these studies showed that including nuts in a blood cholesterol-lowering diet has favorable effects.

Calculations conducted by the researchers using the published data suggest that nuts may contain other cholesterol-lowering constituents, but studies are needed to corroborate this. Nuts studied in clinical investigations included walnuts, almonds, macadamia nuts, pecans, pistachio nuts and peanuts.

Nuts are a rich source of unsaturated fatty

acids, the "good" fats, and are low in saturated fatty acids, the "bad" fats. However, the researchers concluded that the fatty acid profile of nuts contributes to only part of the total reduction in coronary heart disease risk.

Kris-Etherton noted that dietary guidance on fats has changed in recent years from removing or drastically restricting fats to substituting and replacing them with heart healthy alternatives. For example, she said, "you can cut back a little on margarine and add a small amount of slivered almonds on green beans. You can flavor a salad with a few walnuts and use less dressing. Or, you could use peanut butter instead of full fat cream cheese on a bagel."

Barbara Hale can be reached at
bah@psu.edu.

Internet a good tool for market research

By BARBARA HALE
Public Information

Consumers can look forward to kinder, gentler market survey techniques — and fewer of those annoying phone calls — if market researchers take heed to recent findings about ways to use the Internet.

Frank E. Ritter, associate professor of information science and technology, said, "Our research shows that it is possible to use the Internet to perform a wide range of useful and accurate surveys without spamming, without being intrusive and in a manner that facilitates communication."

Tanya L. Cheyne, Ritter's former student at the School of Psychology at the University of Nottingham, England, conducted the research as part of her thesis requirements. Ritter joined the School of Information Sciences and Technology in 1999 and was a faculty member at Nottingham when the study was conducted.

The researchers used a survey on mobile phones as their test case. They advertised the survey in newsgroups and placed banner ads on Web pages where the target groups were most likely to be found. The survey also was included in three Internet search engine databases.

Search engines produced the greatest number of responses, 750, over the first 30 days. Forty percent of the responders were over the age of 40, an age group comprising less than 10 percent of the respondents from the banner ads and newsgroups. Only 1 percent was a UK resident, whereas newsgroups and banner ads on Web sites produced yields of 18 percent and 10.5 percent UK residents respectively.

Banner ads on Web sites also offer a significant targeting opportunity. While fewer people, 225, responded, they were from the targeted groups. However, the researchers warned, "It is important to check where banners will be placed and to determine whether the site's audience fulfills the respondent profile. Banner advertisements have little space to explain to potential respondents anything about the survey. To attract respondents with specific characteristics, it is useful to mention an incentive that appeals to them directly."

The researchers do not recommend newsgroups to solicit responses. Response rates were far less than the 2 percent found with more traditional methods.

"Internet users are typically resistant to being used for the practice of completely self-serving commercial activity, including performing market research," the researchers noted. "Reputable firms will keep in mind that the recipient must pay to receive what to them is junk mail."

Barbara Hale can be reached at
bah@psu.edu

Birds of a feather may not roost in same family tree



A comprehensive analysis of the genes of aquatic birds has revealed a family tree dramatically different from traditional relationship groupings based on the birds' body structure, according to new research.

The most startling and unexpected finding of the study is that the closest living relative of the elegant flamingo, with its long legs built for wading, is not another long-legged species of wading bird but the squat grebe, with its short legs built for diving. The two species, whose

genes surprisingly are more similar to each other's than to those of any other birds, otherwise show no outward resemblance, according to Blair Hedges, an evolutionary biologist.

Hedges leads one of the two research groups that collaborated on the study by separately performing two different kinds of genetic analyses using DNA samples obtained from separate sources. The other group is led by John A. W. Kirsch, professor of zoology and director of the Zoological Museum at the University of Wisconsin.

For the full story, see <http://www.science.psu.edu/alert/Hedges7-2001.htm>



Department of Public Information
312 Old Main, University Park,
PA 16802

Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

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Ag Progress Days



With the assistance of professional arborists, visitors to Ag Progress Days were able to safely climb 40-foot tall trees with ropes and harness at the "Kids' Climb" area, above. They also learned about the job of an arborist, saw a display of tree defects, decay fungi and special tools and equipment used in tree care. This was one of the hundreds of exhibits and displays at the event, held Aug. 14-16 at the Russell E. Larson Agricultural Research Center near the University Park campus.

Photos: Greg Grieco



Executive Vice President and Provost Rod Erickson, second from left, gives Gov. Tom Ridge, left, a hand as Ridge signs quilt squares for an auction at Ag Progress Days. The governor visited the event and addressed the crowd on Aug. 15.



The Pennsylvania State Police Mounted Patrol was a hit with the younger visitors to Ag Progress Days. The officers and their horses visited on Aug. 15.



Intercom

INFORMING THE PENN STATE COMMUNITY

AUGUST 30, 2001

Nominations currently being sought for Evan Pugh professorships

Nominations for Evan Pugh professorships are being sought by the Office of the President.

The professorships were established Feb. 1, 1960, to honor pre-eminent professors and recognize the importance of research in supporting the quality and reputation of the University. Recipients receive recognition, improvement in salary, support for research or scholarship activities and a degree of independence from normally assigned duties in their academic departments.

The selection process is administered by the Office of

the Vice President for Research. Evan Pugh professors are appointed by the president at the recommendation of the advisory committee, which will review nominations and make its recommendations by March 31.

Evan Pugh professorships are granted to candidates who are acknowledged national and international leaders in their fields of research or creative activity. Candidates also must hold the rank of professor with at least five years of service to the University.

All nominations must be submitted to the dean of the aca-

demic college in which the nominee is appointed according to established guidelines.

Requests for "Guidelines for Preparation of Nominating Materials" or questions pertaining to the process should be directed to Ginny Imboden, assistant to the vice president for research, 304 Old Main, University Park, Pa. 16802. Call (814) 863-9580 or e-mail vxi2@psu.edu.

The closing date for receipt of nominating materials by the deans is Oct. 22.

College town benefits draw variety of people to new retirement community

For the Wellers and Clemmers, future residents of The Village at Penn State, a major attraction of the planned retirement community is the abundance of educational, cultural and sports opportunities at the University and in the region.

"We decided to stay here because there are so many things to do off and on campus, sports and non-sports activities," said Harry Weller of State College, 73, who retired in 1996 as physician in the Department of Intercollegiate Athletics and earlier from the U.S. Public Health Service. "We don't need such a large home anymore and it's difficult to keep up. We liked what we saw at the Village."

"Being Penn State sports fans, when the Village idea came up, we both knew we wanted to stay in the area," said Jean Weller, also 73, a retired part-time instructor of physical education courses. She noted that in the past, they have enjoyed attending a wide range of sporting events ranging from basketball to women's lacrosse, plus concerts and plays.

A dedication was held this week to kick off construction at The Village at Penn State, a University-affiliated retirement



Bob Poole, CEO of S&A Homes Inc., shows Dick and Kay Clemmer around the kitchen of the model for The Village at Penn State. The Clemmers have purchased a unit and will be among the retirement community's first residents.

Photo: Greg Grieco

community off Fox Hollow Road on the University Park campus. Although there are many retirement communities located in college towns, The Village at Penn State is among the few facilities nationwide off-

cially affiliated with a university.

More than 90 residences have been reserved, about 60 percent of the available Village, page 2

Student radio station gains new partners

The Division of Student Affairs and College of Communications have partnered with the University's student radio station, 90.7 WKPS-FM, to further enhance the station's programming and overall quality.

The enterprise capitalizes on the logical connection between the College of Communications and the station, while ensuring students from all majors will continue to participate. The partnership also has enabled the college to hire a full-time station manager, who will bring his professional expertise to improve the station's output and the students' experience.

Chris Buchignani, vice president of the station, said he and the other officers are excited about the upcoming year and the opportunity to better serve the student community. The group is working closely with the Jeff Brown, the newly hired station manager, to ensure the transition goes smoothly from the outset this fall. (See appointment story on page 6.)

"Hopefully, this partnership will help WKPS avoid some of the administrative and organizational stumbling blocks we've faced in the past, while enhancing the quality of our on-air product," said Buchignani.

THE LION, as the station is widely known, will continue to offer a diversity of music not found elsewhere in Central Pennsylvania. In addition, the students hope to increase coverage of Penn State sports and to enhance their news programming.

Village

Continued from page 1

150 apartments and cottages. About 70 percent of the group resides in Pennsylvania; about 30 percent will come from other states such as Florida, Arizona, California, New York and New Jersey.

"The Village at Penn State is an exciting project because of the opportunities for teaching, research and service programs of the University to connect with the residents," said President Graham B. Spanier. "One example is the demand for greater training and knowledge in the field of gerontology and related disciplines such as medicine, nursing, family studies, nutrition and health administration — all strengths of Penn State."

"In addition, many of today's retirees are interested in volunteering their considerable expertise, taking classes and attending artistic, cultural and sporting events," he added. "The wealth of untapped expertise of our alumni and friends for teaching or volunteering also is waiting to be explored."

The Village at Penn State will be built on a 160-acre site less than a mile northwest of Beaver Stadium. A life-care retirement community for people 62 years old and above will be built on 50 acres of University-owned land; for younger retirees, a planned residential development will sit on an adjoining 80-acre site between the continuing care retirement community and the Tofrees residential community.

The first phase includes 150 independent residences, assisted living apartments, skilled nursing suites and accommodations for Alzheimer/dementia care. Construction is scheduled to be completed in late 2002 or early 2003.

The project team comprises Cooperative Retirement Services of America Inc. of Memphis, Tenn., and Pinnacle Development, LLC, of State College.

Penn State will not own or operate the facility. The project does not involve any investment by Penn State or any use of state tax dollars.

A nonprofit community, the Village at Penn State is governed by a board of directors who are University administrators: Peter Weiler, associate vice president

for development and alumni relations; Gary Schultz, senior vice president for finance and business/treasurer; Rodney Erickson, executive vice president and provost; and Janis Jacobs, vice president for administration.

For Dick and Kay Clemmer of Lewis-town, the friendliness of the people in Central Pennsylvania is another plus.

"It's such a beautiful state. We love the area and the people," said the 79-year-old retired engineer, originally from Chester County near Philadelphia.

There are no formal ties with Penn State in the Clemmer family — Dick is a Drexel University graduate and was employed by a Philadelphia oil company. His wife, Kay, attended Drexel as well, and their sons graduated from several other universities.

"We felt the Village's prices were good, the amenities were very fine, and the location was beautiful," he said. "We liked the layout of the Village's accommodations and the proximity to so many activities."

Another attractive benefit is the life-care program with on-site health care at the Village Health Care Center, when needed, for very little additional cost.

"We were interested knowing that aspects of medical care would be available when you need it," said Harry Weller. "Both the Village at Penn State and the surrounding community have excellent resources if you need them."

The average age of the future residents is late 60s or early 70s, which is younger than the average retirement community resident, according to Carol Herrmann, president of Pinnacle Development, who is part of the Village's development team.

"Many people are interested in the amenities that include a fitness facility, library, a bookstore, activity rooms and access to tickets for athletic and cultural events," she said. "Future residents have met at a variety of cultural and social events designed to bring them together in interesting and enjoyable ways, and they are already planning activities."



Ron Coder, a volunteer for The Village at Penn State and owner of one of the soon-to-be-built units, prepares the shovels for the upcoming groundbreaking ceremony. After cleaning the shovels, he will spray paint them gold.

Photo: Greg Grieco

Search is under way to fill the position of director of affirmative action

A search is currently being conducted to fill the position of director of affirmative action. The director of affirmative action will oversee the Office of Affirmative Action and the Diversity Support and Education Center. The director is responsible for developing, implementing and maintaining the University's Affirmative Action Compliance Plan within federal and state statutes and regulations; responding to complaints and concerns of alleged discrimination and harassment; coordinating compliance with disability and equity laws and policies; representing the University with

external regulatory and human rights agencies; and coordinating and providing educational training throughout the University on sexual harassment, affirmative action and diversity.

A master's degree (Ph.D. or J.D. preferred), experience working with affirmative action/equal opportunity laws and a demonstrated commitment to diversity are required. Excellent verbal and written communication skills, the ability to work collaboratively with diverse constituents in the handling of confidential and sensitive

issues, and effective interpersonal and administrative skills are essential.

The search committee will begin to review applications and nominations beginning Sept. 4, and will continue to receive them until a candidate is selected. Nominations and applications, accompanied by a detailed letter of interest and resume along with three names and addresses of references, should be mailed to John W. Tippecomic, III, chair, DAA Screening Committee, 201 Old Main, University Park, Pa. 16802.



Lectures

Penn College is regional site for videoconference

Pennsylvania College of Technology's North Campus will serve as a regional host site for the statewide Pennsylvania Rural Development Council videoconference on Leadership Development on Friday, Sept. 14.

The conference will be held from 9:30 a.m. to 12:30 p.m. in the videoconferencing center at the North Campus.

The videoconference will include presentations on leadership development, an update on the state's "Stay Invent the Future" initiative and an overview of the state's Tobacco Settlement Act. Conference speakers include Pennsylvania Rural Development Council officials; representatives from community leadership programs

across the state; Kim Con, president of the Education Resource Group/State System of Higher Education; Mike Gildea, Brain Gain manager for the state Department of Community and Economic Development; and W. Russell McDaid, senior policy manager for the Governor's Policy Office.

The meeting and lunch are free to the public; however, seating is limited, and registration is encouraged. To register or receive more information, call the North Campus at (570) 724-7703 or the Pennsylvania Rural Development Council at (717) 772-9030. Information also is available on the Web at <http://www.ruralpa.state.pa.us> or <http://www.pct.edu/north>.

Security conference aimed at 'weakest links'

A conference titled "Computer and Network Security 2001: Are You the Weakest Link?" is scheduled for 8 a.m. to 5 p.m. Thursday, Oct. 4, at The Penn State Conference Center Hotel on the University Park campus.

The event is designed to help make the University a more secure computing environment. Although this conference is intended for all skill levels, most presentations will assume a basic knowledge of related topics.

The conference will address new types of attacks, writing secure code, securing an operating system, securing networks, legal and ethical issues, and other topics.

Registration is required. The cost is \$75 per person and includes lunch. For information, send an e-mail inquiry to SecurityConcerns@psu.edu. Web-based registration and additional information are available at <http://www.psu.edu/dept/NETSEC/conference.html>.

Indian activist Winona LaDuke to speak at Erie

American Indian activist and Harvard graduate Winona LaDuke will discuss her experiences as director of Honor the Earth Fund and co-chair for the Indigenous Women's Network at 7:30 p.m. Tuesday, Sept. 11, in the Reed Union Building at Penn State Erie.

She also will talk about her struggle to restore the local land base and culture on the White Earth Reservation in Minnesota. Her

presentation opens the 2001-2002 Speaker Series.

LaDuke founded the White Earth Land Recovery Project to raise funds to purchase original White Earth land that was illegally taken from the Anishinabe people.

The event is free to the public. For information about the speaker series, call (814) 898-6171.

Alum returns to give Industry Leaders Lecture

George Purnell, the chief learning officer for software innovator Legato Systems Inc., will deliver the fall 2001 Industry Leaders Lecture for the School of Information Sciences and Technology.

Purnell's address will be at 1 p.m. Aug. 31, in the Palmer Museum of Art Auditorium on the University Park campus. He will discuss "Customers Come First: Keeping the World's Business Critical Information Available." He is expected to address the trends and integrated solution suites in the data and information storage industry. Additionally, Purnell, a Uni-



George Purnell

versity alumnus, will cover the impact and potential revenue loss caused by an information technology application outage. Other themes will include the collaboration between industry and public education for more effective use of IT and careers in IT.

As Legato's chief learning officer, Purnell is responsible for the California-based corporation's Worldwide Education Initiative, an effort that involves customer, channel member and employee education and training for all product lines, sales and professional services.

Navy diver tells 'the real story' at Penn College

Carl Brashear, whose life story was recounted in the recent Bill Cosby-produced film, "Men of Honor," will speak Tuesday, Sept. 25, at Pennsylvania College of Technology as part of the Fall 2001 Lecture Series.

Brashear's lecture begins at 8 p.m. in the Klump Academic Center auditorium.

Brashear, who was portrayed by actor Cuba Gooding Jr. in the motion picture, will speak on "The Real Story Behind 'Men of Honor.'"

Brashear became the Navy's first African-American master diver, overcoming a crippling injury and other obstacles. He continued to dive after losing half his leg during the recovery of a nuclear warhead in the Mediterranean Sea in 1966. In 1998, Brashear became one of only seven enlisted men in history to be enshrined in the Naval Archives. A 164-page volume transcribes an oral history of his life and career.

The lecture series, which is sponsored by the Student Activities Office at Penn College, continues on Tuesday, Oct. 30, with Patricia Gagliardo, a clairvoyant, medium, author and talk-show host, who will discuss "Voices from Beyond."

Rounding out the lecture series on Tuesday, Nov. 6, will be former Major League Baseball umpire Dave Pallone, author of *Behind the Mask: My Double Life in Baseball*, a look at baseball through the eyes of a gay man.

All of the programs begin at 8 p.m. The Brashear and Gagliardo lectures will be held in the Academic Center auditorium; the Pallone lecture will be presented at Penn's Inn on the second floor of the Campus Center.

Admission is free to the public, but tickets are required. For information, call the Student Activities Office at (707) 327-4537, or visit http://www.pct.edu/student_activities/ on the Web.

United Way Web site up and running

Though the official start of the Penn State United Way Campaign is not until October, the campaign Web site is now up and running at <http://www.psu.edu/ur/events/unitedway/>.

The Department of University Relations designed the site in conjunction with the Centre County United Way. It features events that will run throughout the year, information for the Day of Caring, general information regarding the campaign and links to



United Way

other relevant sites.

The Web site is a key element in running this year's campaign. Faculty and staff are able to see the schedule of events, which will be updated throughout the campaign. Particularly useful links are to the unit-sponsored events calendar and Day of Caring. The calendar not only lists the time, date and place of each event, but also includes a contact information. The Day of Caring link includes information about this year's event, as well as contact information for anyone interested in volunteering.

COURSES

Health Matters

Health Matters will offer a Diabetes Series from noon to 1 p.m. Sept. 4 through Oct. 16 at 102 Health and Human Development East on the University Park campus. Topics include:

Sept. 4 — "Do You Have Diabetes?"
Sept. 18 — "Controlling Diabetes with Exercise."

Oct. 2 — "Controlling Diabetes With Diet."

Oct. 16 — "Controlling Diabetes With Medication."

Cost is \$5 a class or \$15 for the series. To sign up, call (814) 865-3085 or register online at <http://www.ohr.psu.edu/health/home.htm>.

CELT

This semester, the Center for Excellence in Learning and Teaching (CELT) is offering one section of the Penn State Course in College Teaching.

This section will meet from 8 to 10 a.m. Tuesdays from Sept. 11 to Nov. 20.

This noncredit course is open to all Penn State instructors who are either currently teaching or taking a short break from the undergraduate classroom.

Enrollment is limited and pre-registration is required.

To register, call (814) 863-2599. More online information is at <http://www.psu.edu/cell/CCT.html>.



University Park Calendar

August 31 - September 11

SPECIAL EVENTS

Saturday, September 8

"100% Laughter Arts Festival," with Robert Schimmel, Bobcat Goldthwait, Wendy Liebman and Kevin Meaney, 8 p.m., The Bryce Jordan Center. For tickets, call (800) 863-3336.

SEMINARS

Friday, August 31

Donna Shalala, president of the University of Miami, 11:30 a.m. to 1 p.m., The Nittany Lion Inn.

George Purnell on "Customers Come First: Keeping the World's Business Critical Information Available," 1 p.m., Palmer Museum of Art Auditorium.

Tuesday, September 4

Bernd Surrow on "Exploring the Structure of the Proton — The Past and Future of HERA," 2 p.m., 339 Davey Laboratory.

Wednesday, September 5

Scott M. Hofer on "Longitudinal Studies of Aging: Past, Present and Future," noon to 1 p.m., 108 Wartik Laboratory.

Paul Plassmann on "Parallel Algorithms for Unstructured Mesh Calculation," 3:35 to 4:25 p.m., 114 Earth and Engineering Sciences.

Janet Reno, 8 p.m., Eisenhower Auditorium.

Thursday, September 6

Ashoke Sen on a subject to be announced, 4 p.m., 117 Osmond Laboratory.

Friday, September 7

Maxwell King on "The Soul of the New American City," 11:30 to 1 p.m., The Penn Stater.

Richard Light will speak about student needs and practices, 3:30 to 5 p.m., HUB-Robeson Auditorium. To register, call (814) 865-4442.

Monday, September 10

Abhay Ashtekar on "Meeting Challenges of Quantum Gravity: Recent Advances," 3:30 p.m., 318 Osmond Laboratory.

Tuesday, September 11

Michael Warner on "Queer Norms," 4 to 6 p.m., 109 Pattee Library.

EXHIBITS

HUB-Robeson Center

"Three Award-Winning Medalists," by Jeanne Stevens-Sollman, Leanda Finke and Karen Worth, through Sept. 16.

"Anonymous" by Stephen E. Nelson, through Sept. 24.

North Halls exhibit area

Photographs by Jake Waldman, through Sept. 16.

Palmer Museum of Art

"Impressionism in Print: Etchings and Lithographs by Childe Hassam," through Sept. 9.

"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," Sept. 4 through Dec. 16.



Robert Schimmel, above, together with Bobcat Goldthwait, Wendy Liebman and Kevin Meaney, will present the "100% Laughter Arts Festival." The performance featuring these stand-up comics takes place at 8 p.m. Saturday, Sept. 8, at The Bryce Jordan Center on the University Park campus. Tickets are \$27.50 and \$24.50 and are available by calling (800) 863-3336.

Pattee and Paterno Library exhibit areas

"To Make You Feel Proud: Gender and Sexuality Studies at Penn State," through Oct. 31.

"Beauty Within the War-Torn Shadows: Visual Arts and Music of the Civil War Era," through Oct. 28.

"Riding the Keystone Rails — Selections from the Railroad Collections of the Special Collections Library," through Oct. 20.

Ritenour Center

"Secret Strengths," by Rebecca Porter, through Sept. 12.

Zoller Gallery

Exhibit of Work from School of Visual Arts Faculty, through Sept. 21.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

ARTS AND ENTERTAINMENT

Hines taps into town

Tony Award winner Gregory Hines will open the 2001-02 season at the Center for the Performing Arts in a song-and-dance show at 7:45 p.m. Saturday, Sept. 15, in Eisenhower Auditorium on the University Park campus. The evening also includes special guest Mary Cleere Haran, cabaret singer.

Tickets cost \$30 and \$25 for general audience members; \$25 and \$20 for students and children; and \$15 and \$10 for University Park students. For information, call the ticket center at (814) 863-0255 or (800) 278-7849, or visit <http://www.cpa.psu.edu> on the Web.

Black Crows gather at BJC

The Black Crows, along with guest Beachwood Sparks, will perform at 8 p.m. Wednesday, Sept. 26, at The Bryce Jordan Center on the University Park campus.

Tickets cost \$32.50 for reserved seating.

Brothers Chris and Rich Robinson originally formed The Black Crows in Georgia in 1984. By the time of its 1990 debut, "Shake Your Money Maker," the band comprised Chris Robinson (vocals), Rich Robinson (guitar), Johnny Colt (bass), Jeff Cease (guitar) and Steve Gorman (drums).

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555 or online at <http://www.bjc.psu.edu/>.

BOOK SHELF

M. Jeya Chandra, professor of industrial engineering.

Statistical Quality Control, CRC Press.

This textbook offers to help engineers understand the concepts and techniques behind quality control. It presents techniques in the same order in which they are used in most real applications; provides detailed treatment of the steps required in sound quality assurance and quality control methodologies; and includes in-depth coverage of tolerancing and loss function, including Taguchi's theory of robust design.

Keep on top of the latest University news through the Employee Newswire. Just go to the Web at <http://www.psu.edu/> and click on the link under "Announcements."



News in Brief

President to speak

President Graham B. Spanier's annual State of the University Address will be at 3 p.m. Friday, Sept. 21, in Eisenhower Auditorium on the University Park campus. The address will be preceded by an ice cream social at 2:30 p.m. in front of Eisenhower Auditorium. The University community, as well as the general public, are encouraged to attend.

Library hours for football season

During football season, the Eberly Family Special Collections Library exhibit area, 104 Paterno Library on the University Park campus, which features LaVie yearbooks, will be open on the following Saturdays:

- Sept. 1, from 10 a.m. to 4 p.m. (Miami game);
- Sept. 29, from 10 a.m. to 4 p.m. (Paterno's Weekend).

For the remaining home football games — Sept. 22, Oct. 6 and 27, and Nov. 3 and 17 — the Special Collections exhibit area will be open from 10 a.m. to 4 p.m. if kickoff time is after 1 p.m. If kickoff is before 1 p.m., the Special Collections Library will not be open.

Volunteer Fair

A Volunteer Fair will be held from 11 a.m. to 3 p.m. Tuesday, Sept. 4, in the Alumni Hall/Ballroom of the HUB-Robeson Center on the University Park campus.

The event is sponsored by the University's AT&T center for Service Leadership. Representatives of approximately 100 agencies will attend. For information or to reserve a table, call (814) 863-4624.

Open houses at Trading Room

Visitors can experience the world of global trading prior to the Miami football game by taking part in a hands-on demonstration of The Smeal College of Business Administration Trading Room.

The event is scheduled for 9 a.m.-11 a.m. Sept. 1 in 201 Business Administration Building on the University Park campus. The college is holding an open



Albert Dreibelis of the state Department of Agriculture washes down two of the 47 boars to be auctioned off at the Ag Arena annex on the University Park campus. This is a form of outreach by the College of Agricultural Sciences. The University furnishes the site and campus facilities for the sale. The animals were auctioned off to the public for breeding purposes.

Photo: Greg Gileco

house at the Trading Room before each home football game. The events will run 9 a.m. to 11 a.m. on Sept. 22 (Wisconsin), Oct. 6 (Michigan), Oct. 27 (Ohio State), Nov. 3 (Southern Mississippi) and Nov. 17 (Indiana).

It's also possible to take a virtual tour of the facility by going online at http://www.smeal.psu.edu/tradingroom/qtrv_tour.

Hintz Center sets hours

The Hintz Family Alumni Center on the

University Park campus will be open during football season weekends to accommodate the increased number of alumni, visitors and parents who will be on campus.

Staff will be available to answer questions during these hours:

Home game Fridays — 8 a.m. to 8 p.m.

Home game Saturdays — 8 a.m. to one hour before kick-off. It will open immediately after the game for three hours during which refreshments will be served

and a band will play on the lawn. The exception to the after-game hours will be the Miami game. The center will not be open after that game, which kicks off at 8 p.m. Sept. 1.

Home game Sundays — 10 a.m. to 2 p.m.

Away game Fridays — 8 a.m. to 5 p.m.

Away game Saturdays — noon to 4 p.m.

Away game Sundays — 10 a.m. to 2 p.m.

To find out about future hours of operation, visit the Web site at http://www.alumni.psu.edu/about_us/center/.

NEW AT PENN STATE

Joint project aimed at expanding medical research

Leaders of The Milton S. Eshelby Medical Center and College of Medicine and the Lebanon Veterans Administration Medical Center announced a partnership to establish a state-of-the-art research facility on the Lebanon Center grounds.

The new laboratory will allow the Lebanon center to expand its research program conducting key VA-funded

studies that are important to veterans, particularly in areas of cardiology and renal failure. The new lab may enable the Lebanon center and researchers with dual appointments to the Lebanon center and the College of Medicine to draw down more federal research dollars.

Darrell Kirch, chief executive officer and dean of the College of Medicine; and Steve Baron, executive director and chief operating officer of the Hershey Center, presented a check for \$151,683 to Charleen R. Szabo, CEO at the Lebanon center, and Michela Zbogor, chief of staff.

The money represents 75 percent of the total cost of renovations to create the new research lab.

The Lebanon center and the Hershey center have had an affiliation agreement for more than 15 years. This fiscal year, Congress appropriated \$351 million dollars for VA research. The Lebanon center has been approved for 11 studies, which are expected to cost more than \$234,000.

Renovations have begun and are scheduled for completion in December.



Appointments

Director appointed assistant dean of multicultural affairs

Joseph Selden has been named assistant dean for multicultural affairs for the College of Communications.

He has served as director of multicultural affairs for the college since 1994.

During Selden's tenure, enrollment of students of color within the college has risen by an average of 11.8 percent during each of the past seven years.

Along with recruiting and retaining students, the college has attracted students of quality. The 21 Bunton-Waller Scholars within the college have a 3.57 grade-point average, above the campus average of 3.2, and two of the four students the college recognized as student marshals during the spring 2001 semester were diversity scholars.

Selden provides academic advising, coordinates the peer-mentoring program, oversees the academic intervention program, advises student clubs and organizes cultural heritage programs. He also assumes primary responsibility for raising



Joseph Selden

funds for the annual multicultural high-school journalism workshop and coordinates the Knight Diversity Scholars Program.

During his tenure at the University, Selden has served as president of the Council of College Minority Affairs Directors, was selected as a special committee member for the Vice Provost's Orientation Planning Committee and was appointed a board member by New York City's chapter of the National Association of Minorities in Communications. He was honored as Distinguished Member of the National Society of Collegiate Scholars in 2000.

Before his arrival at the University in 1994, Selden was assistant director of student services/registrar at Cornell University. He earned his master's degree from Syracuse University in 1976 and his bachelor's degree from Oklahoma State University in 1973. After 27 years of service, he retired this year from the U.S. Air Force as a lieutenant colonel.

Director of Information, Communication Technology named

Neal Vines, director of Agriculture Information Systems at Purdue University, has been named director of Information and Communication Technologies in the College of Agricultural Sciences.

Vines will lead the Information and Communication Technologies unit, which was formed in 2000 by the merger of Ag Information Services and Computer Services. ICT's services include video production and conferencing, publishing, news and media relations, information technology, Web development, computer training and support, and exhibit design.

Vines will provide leadership for information technology and communication initiatives; incorporate technology objectives into the college's strategic plans; and implement strategies for identifying and reaching the college's key audiences.



Neal Vines

Vines earned his bachelor's degree in animal science from Virginia Tech in 1980, then joined that university as an agricultural extension agent. From 1981 to 1988 he was a farm management agent, and in 1988 he was named a computer resource agent.

In 1995, after earning his master's degree in information systems from Virginia Tech, he was named coordinator of the university's Extension Information Systems. He directed the implementation of Virginia Cooperative Extension's first statewide data and telecommunications network, a \$1.5 million project that included negotiating with telecommunications companies and establishing procedures and guidelines for network installation.

In 1998, Vines joined Purdue University as director of Agriculture Information Systems.

Assistant professor named to head undergraduate program

G. Steven McMillan, assistant professor of management at Penn State Abington, has been named coordinator of Abington College Undergraduate Research Activities.

The program encourages all of its undergraduate students to go beyond textbooks and lectures to the challenging, hands-on world of research. Students work with faculty members on a variety of research projects.

McMillan has published numerous articles in the area of technology management and has conducted executive education seminars in the area of high-technology management, strategy and leadership.

He is a graduate of the University of North Carolina at Greensboro, the American University and Temple University.

University Faculty Senate welcomes new executive secretary

Susan C. Youtz, special project associate in the Division of Outreach and Cooperative Extension, has been appointed executive secretary of the University Faculty Senate, effective Sept. 1.

As executive secretary, Youtz will be responsible for managing the Senate Office and supporting and facilitating the Senate in the performance of its duties. She replaces George J. Bugyi, who recently retired from the University.

A faculty member in the College of Health and Human Development for 19 years, Youtz spent almost a decade as a Faculty Senator. She chaired her college's curriculum committee and the Senate Curricular Affairs Committee, and was the first chair of the Senate's Intra-University Relations Committee, among other Senate service.

In addition to her most recent positions,



Susan C. Youtz

Youtz served 12 years as an assistant director in the School of Nursing, where she coordinated the school's undergraduate programs and directed the Rural Nursing Center Project, funded by the Philadelphia-based Independence Foundation. During 1999-2000 she was an Administrative Fellow in the Office of the Vice President for Outreach and Cooperative Extension. Currently she is providing leadership for a multi-media educational initiative sponsored by Penn State Public Broadcasting and Cooperative Extension, called "Creating Health."

Youtz received her bachelor's degree in nursing from The College of New Jersey; her master's degree in nursing from New York University; and her doctorate in counselor education from Penn State.

Eloise Stuhler named executive director for leadership gifts

Eloise Dunn Stuhler has been named to the newly created position of executive director, leadership gifts, in the Division of Development and Alumni Relations.

She will create and manage a program based on the identification, cultivation, solicitation and stewardship of University donors and prospective donors at the highest levels of gift capacity.

Reporting directly to Vice President for Development and Alumni Relations Rod Kirsch, she will assist President Graham B. Spanier and Kirsch in their work with key University donors and volunteers. Stuhler has



Eloise Stuhler

been executive director of university development since 1996.

Stuhler joined the University in 1995 as director of development for University Libraries. Before that, she served as director of development and alumni relations and assistant dean in the School of Law at the University of Oregon, and executive director of the University of Oregon Foundation and assistant vice

president for public affairs and development. She holds a bachelor's degree in psychology from Vanderbilt University and attended the Georgia State University Graduate School of Management.

Local radio personality to manage student station, WKPS-FM

Jeff Brown, co-host of the morning show for Classic Rock 93.7, The Bus, and former operations manager for the State College station, has joined the College of Communications as manager of the University's student radio station, WKPS-FM.

The appointment is the result of a recent partnership between the College of Communications, the Division of Student Affairs and WKPS. Brown will work with the station in an advisory capacity to ensure the station's programming and output is optimized. (See story on page 1). He wants to improve the station's sound without losing the edginess and the voice the students have created.

Since 1999, Brown has served as The Bus's morning on-air talent, a role he will continue to play despite stepping down from the position of operations manager. He said he is looking forward to working with students and plans to eventually teach courses in the College of Communications, as well.

Brown enrolled in Slippery Rock State Col-



Jeff Brown

lege in 1977 to pursue a degree in elementary education. But a stint as a DJ at WKPS-FM, the college's student station where he eventually became general manager, inspired him to change his major to communications.

After college, he went on to work as an on-air personality and programming and promotions director at two small stations in Texas before moving to larger markets in Syracuse, N.Y., and Pittsburgh.

In 1988, Brown joined State College station 3WZ as operations manager and air personality, a position he held until 1998. During his tenure, the station went from a start-up to the top-rated station in the market.

It also was during this period that Brown became actively involved in a number of charitable organizations. He has served on the board of directors for a number of local charities and has been active in such organizations as the Second Mile and the American Cancer Society.



Focus on Research

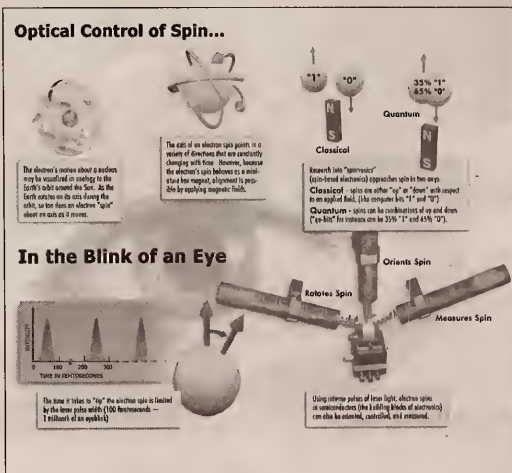
Technique will control electron spin

Researchers from the University of California at Santa Barbara and Penn State have revealed an ability to quickly manipulate electron spins that could positively impact the development of items such as quantum computers.

The experiments are the result of a long-standing collaboration between David Awschalom at UCSB and Nitin Samarth at the University.

The research suggests an ability to quickly manipulate electron spins by loosening the stringent requirements of coherence times. While previous research has been aimed at increasing the coherence time of electron spin in semiconductor quantum structures, the experiments present an alternate approach. In effect, the researchers have discovered a technique that can potentially circumvent the other wise stringent constraint of the electron spin coherence time in solid-state materials. The use of ultra-fast laser pulses to manipulate spins would represent a speed-up of the process by 100,000 times when compared with conventional methods, and opens new directions for research into solid-state implementation of quantum computers.

For the full story, go to <http://www.science.psu.edu/alert/Samarth6-2001-2.htm>



Shark attacks follow theory of probability

A University expert on probabilistic simulation thinks that the large number of shark attacks that recently took place in Florida and the Bahamas might be explained through probability theory.

"It really does seem that there is indeed something odd going on with the ocean currents, temperatures, food supply, or water chemistry, which would explain the recent reported spate of shark attacks; however, even if such attacks were purely 'random' and independent of each other, it is not surprising that they seem to occur in 'clumps' in time — like this past summer — and then not at all for a long time," explained David Kelton, professor of management science in The Smeal College of Business Administration.

Kelton, who researches the probabilistic and statistical aspects of simulation, is chair of the Department of Management Science and Information Systems.

"There is something in probability theory called a Poisson process, giving amazing good descriptions of such random independent events occurring through time, like customer arrivals to a fast-food store, cosmic rays striking a planet, accidents in a factory, airplane mishaps, and, maybe, shark attacks," Kelton said.

Reasonable and realistic physical assumptions imply that the time between successive events follows what is called an exponential distribution, the most likely value of which is zero (or arbitrarily close to zero).

"So on a time line, you see lots of very small inter-event times, meaning that the events happen in clumps, then a long time will go by when

nothing happens, representing an infrequent but possible observation from the right tail of the distribution."

Kelton said. "After the fact, it seems that 'it never rains but when it does, it pours.' This is what's sometimes called a 'Poisson burst' of events."

This process, Kelton points out, was discovered by the French mathematician and probabilist Poisson, who was consulting with the Prussian army to explain why so many Prussian army officers were being killed by getting kicked by horses.



Fault lines may not move equal distances

By ANDREA ELYSE MESSER
Public Information

While most scientists assume that both sides of a geologic fault move equal distances during an earthquake, University researchers have discovered that not all strike slip faults act that way.

"In the past, no one looked at the contrast between the two sides of a strike slip fault," said Kevin P. Furlong, professor of geosciences. "These faults have always been modeled as if both sides were equal by definition."

Furlong, along with Rocco Malservigi, a doctoral degree student in geosciences; and Timothy H. Dixon of University of Miami, investigated the Eastern California Shear Zone, a strike slip fault system running parallel to the San Andreas fault about 150 miles east of San Francisco. The area, on the Nevada/California border, is the eastern edge of the interface of the Pacific and North American plate boundaries and is linked to the San Andreas

fault. In a strike slip fault, the ground on each side of the fault moves along the fault line, but in opposite directions.

The western side of the fault, consisting of the Sierra Nevada Mountains, and the eastern side of the fault, that of the Basin and Range, have very different heat flow properties, which the researchers believe is the cause of the contrast between the two sides.

According to the researchers, the colder Sierra Nevada side acts like a solid block, recovering fairly quickly from an earthquake, while the warmer, more viscous Basin and Range side deforms more like rubber. When an earthquake occurs, the Sierra Nevada side only needs to snap back a small distance, while the Basin and Range side rebounds much more and then continues to recover for a much longer time.

Furlong, Malservigi and Dixon reported on their on-site study of this fault. Using permanent location markers and Geographic Positioning System equip-

ment, they were able to record the difference in movement on each side down to about 1 millimeter. They found a difference of a half to three-quarters of an inch a year on the rigid side out of a total movement along the fault of 3 inches.

"Before the accuracy of G.P.S. became so good, it was impossible to do this kind of research," Furlong said. "We could not have seen the difference before."

If the researchers' results hold true, their approach could be applicable in many places. While local geography can cloud the existence of true contrasts across sides of a fault, there are hints of this asymmetry occurring in other places. Satellite images of a 1997 earthquake in Tibet show that the earthquake occurred more on one side of the fault than the other. The area is so remote, however, that it is not currently possible to determine if subsurface differences are the cause.

Andrea Elyse Messer can be reached at aem1@psu.edu.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial assistant/calendar

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Time to register



Gabe Clark, junior in chemical engineering, checks the serial number on his bike, which he's registering at a special tent set up for that purpose outside of Eisenhower Auditorium on the University Park campus. All bicycles on the campus must be registered either in downtown State College or on the campus at the tent, at kiosks in the visitor parking lots or at the University Police in the Eisenhower Parking Deck. For additional information about registration or other bicycle regulations, check the Web at <http://www.transportation.psu.edu/>

Photo: Greg Grieco



Private Giving

Endowed scholarship honors head of Nittany Lion Club

Kay Kustanbaur, executive director of the Nittany Lion Club, was recently honored by a group of donors who endowed a \$250,000 scholarship in her name.

This spring, Kustanbaur was planning to have a quiet dinner at The Nittany Lion Inn with friends and longtime Nittany Lion Club members Diane and Barney Dillon. Instead, she was surprised by a dinner party in her honor where she was presented a full endowed athletic scholarship given to her by some of the many friends she has made in her tenure.

Art and Paige Nagle gave a \$125,000 matching challenge, and a long list of donors quickly met the challenge raising the remaining \$125,000.

Kustanbaur has served the University for 36 years.

Scholarship created at Shenango for human development students

William Franklin Shannon of Hermitage has given Penn State Shenango \$100,000 to create the William Shannon Scholarship Endowment to support human development and family studies students at the campus.

Shannon, a 1958 University graduate in the liberal arts, is a human services consultant. He made the gift in memory of his father, William Shannon, a professional baseball player and mill worker.

The William Shannon Scholarship



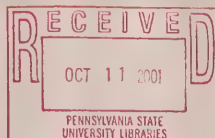
William Franklin Shannon

is open to all full-time undergraduate students attending Penn State Shenango who are pursuing a baccalaureate or associate degree in human development and family studies and who have a positive academic record and demonstrated financial need. The scholarship will be available for the fall 2002 semester.

For information on this scholarship or others offered at Penn State Shenango, call (724) 983-2803 or visit <http://www.shenango.psu.edu/>.



Intercom



INFORMING THE PENN STATE COMMUNITY

SEPTEMBER 6, 2001

Austin nominated as ambassador to Trinidad and Tobago

President George W. Bush on Aug. 30 announced his intention to nominate Roy L. Austin, director of the University's Africana Research Center and associate professor of justice, sociology and African-American studies, to be Ambassador Extraordinary and Plenipotentiary of the United States of America to the Republic of Trinidad and Tobago.

"Roy Austin has extensive knowledge of the histories and cultures of Caribbean

nations. His longstanding ties to this region will serve him well as the next U.S. Ambassador to Trinidad and Tobago," Bush said.

Austin's two-year term as director of the Africana Research Center began July 1. A member of the faculty since 1972, he specializes in criminology and has written extensively on the disparities in sentencing between black and white criminals. His research also encompasses the sociology of the Caribbean. He served as director of the

administration of justice program from 1994 to 1998. During his years at the University, he has served as adviser to the Black Caucus, the Black Graduate Student Association and the Caribbean Students Association.

Austin grew up in St. Vincent, West Indies. He earned his bachelor's degree from Yale University and both his master's degree and doctorate from the University of Washington.

His nomination as ambassador must be confirmed by the Senate.

Address to cover changes, challenges

President Graham B. Spanier will present his annual Academic Convocation and State of the University Address at 3 p.m. Friday, Sept. 21, in Eisenhower Auditorium on the University Park campus.

This year, Spanier's remarks will focus on some significant changes in the landscape of higher education, especially in relation to information technology. He will address the challenges this poses for faculty and staff and review Penn State's efforts.

All members of the University community are invited to attend the convocation. An ice cream social will precede the event at 2:30 p.m. in front of the auditorium.

United Way Campaign under way; goal set

Today marks the official kickoff to this year's Penn State United Way Campaign, which has a goal of \$564,450.

The contributions made last year by faculty and staff significantly helped all 35 Centre County United Way organizations continue to serve the community. David Wormley, chair of this year's Penn State United Way Campaign, wants to build on last year's success with an increase in participation among employees.

Last year, the Penn State campaign helped United Way assist one in three local residents, including:

- 4,497 individuals with disabilities, who were able to achieve increased levels of independence;
- 1,821 victims of family violence and rape, who received care and support; and
- 17,108 at-risk children and teenagers, who benefited from counseling and learning programs.

"As we begin this year's campaign, it is important for all of us at Penn State to think of the people who were helped last year and consider how we can help even more people in the community this year," Wormley said.

Program puts students on path to success

By ALLISON KESSLER
Public Information

If you're willing to lend an ear, your advice and perhaps your lunch break once a month, then FastStart just might be the perfect volunteer program for you.

FastStart, started to help first-year students from diverse backgrounds successfully adjust to life at Penn State and assist in developing career networks, seeks more faculty and staff mentors. The program matches students with two mentors — one faculty or staff member and an alumna or alumna — creating a triad.

Faculty and staff members are asked to contact their student and answer questions before he or she arrives on campus. Once the student arrives, mentors help make the University less intimidating by providing advice, referring the student to available resources within the University and the community, and just being a friend.

FastStart has gained in popularity, as 137 students have enrolled in the program this year — 50 more than last year. This increase leaves Gina Giacomantonio, coordinator of student alumni programs and staff mentor, in a bit of a predicament. She simply needs more volunteers.

"It really doesn't matter what your position is," Giacomantonio said. "Anyone can get involved and make a difference."

Those who have participated have made a difference. Upon analyzing data



First-year FastStart participants and graduating seniors got together this past spring to discuss the end of the semester and their future plans.

from the first two years of FastStart, which began in 1996, Giacomantonio discovered 72 percent of minority students involved in the program at University Park graduated.

Mike Blanco, senior diversity planning analyst, has been a mentor since the program's inception. He said he hopes the program is a factor that helps students connect to Penn State.

"The more a student feels connected,

the better the chance is that they'll graduate. The program helps that student make a stronger connection."

Without volunteers such as Blanco, who took a previous student mountain biking, the goals of the program would not be reached.

"FastStart really helps put a personal

Angel software gets University courses online

The University has announced it will use Angel (A New Global Environment for Learning) software to put all credit courses online at its 24 campuses.

Angel, developed by faculty at Indiana University-Purdue University Indianapolis enables schools to manage courses online and offer a customized entry point to the system, known as a portal, for students and faculty. Angel may be used as a complement to traditional courses, as well as to deliver online courses as a distance-learning program.

"We selected Angel after comparing all of the course management software systems on the market," said John Harwood, senior director of the Center for Education Technology Services and associate professor of information sciences and technology. "Angel stood out because it is both easy and powerful. Faculty can use the features that are most important to them. Because it is so easy to use, we will reduce our costs in both training and support. In just two weeks, we put more than 100 courses online, and we'll have more than 3,000 students using Angel in our pilot this fall."

That's just what co-creator David Mills intended when he developed Angel.

"As a former instructor, I know how difficult it can be to find a course management product that is simple to under-

"In just two weeks, we put more than 100 courses online, and we'll have more than 3,000 students using Angel in our pilot this fall."

*John Harwood, senior director
Center for Education Technology Services*

stand and use, but sophisticated in its capabilities," said Mills, now vice president of engineering and development for CyberLearning Labs, which markets and develops the software. "We hoped that Angel could change that and we now hear great success stories from users of the software. One person said she was able to put 17 of her courses online in only two days without using a manual, and an administrator from another school commented that she was able to fit all the instructions needed for faculty members on only one piece of paper, instead of having to hand them a thick instruction manual."

The University also will take the lead in creating a consortium of faculty and administrators from colleges and uni-

versities who will share ideas on how to enhance Angel to best meet their changing needs. As part of this role, the University will be co-developing tools and resources for inclusion in Angel.

The University enrolls more than 80,000 students at its 24 campuses. It offers more than 160 baccalaureate and 150 graduate programs. Through its World Campus, it serves students who cannot attend one of those campuses, at <http://www.worldcampus.psu.edu/>. Angel will be used in both residential and distance education programs.

CyberLearning Labs Inc. is a software company created to develop and market Angel and other e-Learning technologies and solutions. The company grew out of the Advanced Research and Technology Institute at Indiana University after Angel was developed by faculty at Indiana University/Purdue University Indianapolis. CyberLearning Labs also offers a free introductory version of Angel to K-12 schools and universities in the United States.

Other schools currently using Angel include the State University of New York-Brockport; Providence College in Providence, R.I.; Indiana University School of Medicine; Thomas College in Waterville, Maine and Wright State University in Dayton, Ohio.

FastStart

Continued from page 1

face on Penn State," said Giacomantonio, adding that FastStart breaks down stereotypes that faculty and staff might have of students. "It's hard to hold on to stereotypes when you develop such a close relationship," she said.

These relationships that develop between student and mentor also have proven to be mutually beneficial. Nancy Fogleman, administrative assistant in the department of anthropology and two-year participant, enjoyed learning about her students' diverse backgrounds.

"My first student was from New York City and my second was from the Virgin Islands. I really liked finding out about where they live and their way of life," she said.

Fogleman also said FastStart creates great awareness of campus diversity programs for its students.

"It's nice the way FastStart coordinated programs and wanted the students to be a part of these things," she added. "FastStart made them very aware of what was out there as far as diversity at Penn State."

So far this year the mentoring triads have participated in a welcome reception. Students and volunteers now look forward to laser tag and a dining etiquette dinner.

For more information or to participate, call (814) 863-6386 or e-mail Giacomantonio at gmg12@psu.edu.

Dynamic speaker



Donna Shalala, president of the University of Miami and former secretary of the U.S. Department of Health and Human Services, told the audience at the Aug. 31 Penn State Forum that "Being a Cabinet leader is 100 times easier than running a major research university. For one thing, Cabinet departments are hierarchical — you tell someone to do something, and they do it." In her speech, Shalala addressed national health-care issues and university-based research, among other topics. Next in the Forum speaker series is Maxwell King, executive director of The Heinz Endowments, who will speak on "The Soul of the New American City" Friday, Sept. 7, at The Penn State Conference Center Hotel on the University Park campus. For the full schedule of Penn State Forum speakers, check the Web at http://www.psu.edu/ur/archives/intercom_2001/Aug23/lectures.html.

Program brings Chilean teachers to University for technology training

By CELENA KUSCH
Outreach Communications

Media reports have exposed the persistent gap between the technology expertise of teachers and the technology resources of U.S. schools. In many other countries, that gap is a canyon.

Armando Villarroel, executive director of the Inter-American Distance Education Consortium (CREAD), points to Chile as an example of a nation with serious obstacles to using technology in education and an equally serious commitment to overcoming those barriers.

"Chile, because of its southern geographical location, is as isolated as Australia, but it has an aggressive program to outfit all the schools with Internet technology. For the last six years, the Chilean minister of education has encouraged educators to engage with other countries

in order to break the natural isolation and to experience what other countries are doing with technology and other aspects of education," he said.

This year, CREAD was awarded a grant from the minister of education to provide that experience through a technology education program for Chilean teachers. One of just eight such projects throughout the world, the program is intended to further CREAD's mission to develop educational projects and to assist in the improvement of distance education in the Americas.

CREAD, a 10-year-old nonprofit organization based at the University, in cooperation with the College of Education, will offer the six-week Technology Enhanced Teaching and Learning Institute for 20 Chilean primary teachers beginning Monday, Oct. 1, in State College. Designed for teachers of grades one to eight with little to moderate experience using technology,

the program will offer the opportunity to explore the need to develop technology skills in today's world.

All activities and events will be delivered in Spanish, with translation assistance provided by bilingual lecturers and graduate assistants. This, Villarroel explained, is the most exciting challenge of the program.

"We are very excited about this opportunity to offer a Spanish-language learning institute," he said. "In the recent history of outreach programs, we have not made such a commitment to teach so many students in their own language for so many weeks. This program underscores Penn State's commitment to international outreach and marks the beginning of a series of Spanish-language projects CREAD is working with Penn State to deliver in the future."

As part of the program, each participant will have a mentor teacher from a

local, public school. Using a variety of interactive strategies, including hands-on individualized technology training, group discussion techniques and a course of study in a public school, they will learn how to develop a Web-based teaching unit. The program also will prepare the teachers to develop and teach Web-based curriculum units in science, social studies, and the arts and humanities. Participants will gain hands-on experience in the college's Technology Education Center.

Travel study seminars also are part of the program curriculum. They include a visit to New York City, where participants will tour public schools; and a trip to Washington, D.C., to meet with officials from the Department of Education and the National Education Association.

Celena Kusch can be reached at csk33@psu.edu.



Penn Staters

Anthony Achley, chair of the Acoustics Program in the College of Engineering, gave the keynote address at the 17th International Congress on Acoustics in Rome. His lecture was titled, "An Introduction to Thermoacoustics: Underlying Principles and Research Challenges." Achley also chaired a session of technical papers on thermoacoustics.

John Bagby, professor of business law in The Smell College of Business Administration, has been appointed to the American Bar Association's task force to the Committee on Cyberspace Law. In addition, he is serving as editor of an upcoming special "Cyberlaw" issue for *The American Business Law Journal*.

Monty L. Christensen, associate professor of recreation and parks management in the College of Health and Human Development, has been selected to receive the first Distinguished Fellow Award given by the National Playground Safety Institute. He will receive the award during the institute's annual meeting, which will take place in Denver, Colo.

Gregory A. Crawford, head of public services at Penn State Harrisburg Library, and **Lisa Stimatz**, former public affairs and government information librarian at Penn State Harrisburg Library and currently coordinator of library instruction at the University of North Carolina-Chapel Hill, received the Bernard M. Fry Award for 2000. It was presented by the *Journal of Government Information* at the American Library Association annual meeting in San Francisco.

Mark Dirsmithe, Deloitte and Touche professor of accounting in The Smell College of Business Administration, presented the paper "Going Global: Transformation of the Accounting Professional from Information Service Provider to Knowledge Expert," at the Global Business and Technology Association international meetings in Istanbul, Turkey. He also presented the papers "Technolo-

gy and the Changing Location of Expertise in Knowledge-Based Professional Organizations" and "Accounting Wars: Jurisdictional Disputes Over Professional Work" at the national meetings of the American Sociological Association in Anaheim, Calif.

Dennis Gioia, professor of organizational behavior in the Department of Management and Organization in The Smell College of Business Administration, was appointed to the editorial board of the *Journal of Management Learning and Education*.

David Harrison, professor of organizational behavior, and **Wenpin Tsai**, assistant professor of business administration, each received the Perfect Reviewer Award at the Academy of Management's annual meeting in Washington, D.C. The award is given to editorial board members of the *Academy of Management Journal* who provide the highest quality reviews of submitted papers. Harrison also was recently selected as associate editor of *Organizational Behavior and Human Decision Processes*.

Steven Huddart, associate professor of accounting in The Smell College of Business Administration, was awarded "best paper" honors from the editors of the *Journal of Accounting and Economics*. Huddart co-authored the study, "Information Distribution Within Firms: Evidence From Stock Option Exercises," with Mark Lang of The University of North Carolina at Chapel Hill. It was presented at the *Journal of Accounting and Economics* conference, "Accounting and Economics in the New Economy," which took place at MIT.

Mohsen Kavehrad, professor of electrical engineering and holder of the W. L. Weiss (AMERITECH) chair, presented the keynote lecture at the 2001 Wireless and Optical Communications meeting held in Banff, Alberta, Canada. His lecture was titled "Next Generation Communications Systems."

James P. Lantolf, professor of applied linguistics and Spanish and director of the Center for Language Acquisition, has been elected second vice president of the American Association for Applied Linguistics for the 2002-2003 academic year. He will become first vice president and program chair for the annual meeting of the association in 2003-2004 and will become president of the organization in 2004-05. The association has more than 1,400 members.

William Mark, senior scientist within the Applied Research Laboratory's Institute for Manufacturing and Sustainable Technologies, received the Navy Meritorious Civilian Service Award — the U.S. Navy's second-highest civilian service award — in recognition of his work in developing modifications that resulted in the improved operational performance of a naval vessel.

Pennsylvania College of Technology has been chosen to receive a Governor's Highway Safety Award for the efforts made by Penn College and Community Coalition to prevent alcohol abuse and underage drinking by students. The college was selected to receive its award in the "Alcohol Highway Safety" category. The college, through the coalition, developed an alcohol/underage drinking fact sheet for distribution to parents at freshman orientation; offered two Alcohol Jeopardy Workshops at freshman orientation; and participated in National Alcohol Screening Day in April 2000. It also sponsored a DUI-simulation activity during College Alcohol Awareness Week and sponsored a panel presentation on underage-drinking law enforcement featuring participation by law enforcement, local government officials and landlords.

Jean-Claude Vulliamin, associate professor of French literature, presented a paper titled "Michel Foucault: théorie et pratique de l'indiscipline" at the University of Pantheon-Sorbonne in Paris. The talk was sponsored by the Institute of Modern Philosophy, a branch of the French National Center for Scientific Research of which Vulliamin is an associate member.



Lectures

'Queer Norms' to be discussed in lecture series

Michael Warner, professor of English at Rutgers University, will speak on "Queer Norms" from 4-6 p.m. Tuesday, Sept. 11, in Foster Auditorium, 101 Pattee Library, on the University Park campus.

It will be followed by a reception in the Mann Assembly Room, 103 Pattee Library.

Warner is a specialist in 18th- and 19th-century American literature. He is the author of *The Trouble with Normal: Sex, Politics and the Ethics of Queer Life*, and has written numerous articles on the relationships between literature, gender and sexuality.

This is the inaugural presentation of "Millennium Approached: Queer Literary Studies in the 21st Century: A Lecture Discussion Series," organized by the Department of English. The other speakers will be Carolyn Dinshaw of New York University, Tim Dean of University of Illinois at Urbana-Champaign, Jose Esteban Munoz of New York University, Siobhan Somerville

of Purdue University and Richard Rambuss of Emory University.

The series coincides with the Commission on Lesbian, Gay, Bisexual and Transgender Equity's 10th anniversary events, to be held in October, with the theme "A Decade of Pride: A Milestone on the Road to Equity."

Warner's presentation also begins the Social Science Library's First Friday series, intended to bring together researchers and others interested in social sciences research.

For a schedule of upcoming speakers in both series, visit <http://english.la.psu.edu> under "Forthcoming Events" and <http://www.libraries.psu.edu/pubinfo/events.html>

The lectures are free to the public. For information about the Millennium series, call (814) 865-4383 and about the First Friday series, call (814) 865-4861.

Cherenkov Effect is topic of memorial lecture

Roberto D. Merlin, professor of physics, electrical engineering and computer science at the University of Michigan, will present the Jeffrey S. Lannin Memorial Lecture in Physics at 4 p.m. Thursday, Sept. 13, in 117 Osmond Laboratory on the University Park campus.

The lecture, titled "The Dark Side of the Cherenkov Effect: Light Emitting Light at Subluminal Speeds," is free to the public.



Roberto D. Merlin

versity from 1986 until his death in 1997.

Merlin's research specialty is experimental condensed-matter physics. His current interests focus on the interactions of solid materials with ultrafast laser pulses.

The Lannin Memorial Lectures are supported by donations to the Eberly College of Science Jeffrey S. Lannin Memorial Fund in memory of Lannin, who was a professor of physics at the University from 1986 until his death in 1997.

Seminar speakers focus on 'Rethinking America'

The Department of Comparative Literature and the Center for Global Studies are sponsoring a speakers series as part of a graduate seminar on the topic of "Rethinking America."

Ralph Rodriguez, assistant professor of English and comparative literature, and Santiago Vaquera, lecturer in Spanish, Italian and Portuguese, will discuss "Alienated Aztlan: Post-Nationalist Chicana/os and the National Imaginary" from 2:30-5:30 p.m.

Tuesday, Sept. 10, in 306 Burrows Building on the University Park campus.

Paul Giles, professor of English and American studies at Cambridge University in the United Kingdom, will discuss "National Identity and Foreign Agency: Lolita's America" from 2:30-5:30 p.m. Tuesday, Sept. 17, at the same location.

For more information, e-mail Djelal Kadir at kadir@psu.edu.

Business journalist plans to discuss motivation

Award-winning author and business journalist Jessica Korn will discuss strategies for motivating employees during a speech at 11 a.m. Sept. 25 in the Assembly Room at The Nittany Lion Inn on the University Park campus.

Korn is founding editor-in-chief of the *Gallup Management Journal*. Her speech,

"The View from the 'C' Level," is free to the public.

Since people issues, including recruitment, retention, development and morale, are requiring more intensive executive-level attention in the global marketplace, Korn's speech is aimed at providing trustworthy methods of motivation.

Comparative Literature Luncheons resume Sept. 10

The Comparative Literature Luncheon, a weekly informal lunchtime gathering of students, faculty and other members of the University community, has announced the first few speakers in this semester's series.

The events begin with lunch from 12:15 p.m. to 1:45 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy something in Kern Cafeteria. Coffee and tea are provided in the room. The speaker will

begin at about 12:40 p.m.

The first two speakers in the series are: ■ Sept. 10: Paul Rose, professor in the Department of History and Miltrani Professor of Jewish Studies, on "Meyerbeer and Wagner Revisited: Parody and Intensification."

■ Sept. 17: Paul Giles, professor in the Department of English and American Studies, Cambridge University, United Kingdom, on "Transnationalism in Practice." The events are free to the public.

Plant development, hormones topic of colloquium

Joanne Chory, professor and director of the Plant Biology Laboratory at the Salk Institute for Biological Studies and associate investigator of the Howard Hughes Medical Institute, will speak on "Steroid Hormones in Plant Development" in the Life Sciences Consortium's Colloquium Sept. 11 on the University Park campus.

The colloquium will be video

conferenced at 4:15 p.m. from 101 Thomas Building to Lecture Room D at the Milson S. Hershey Medical Center.

Much of the work in the Chory laboratory focuses on signal transduction pathways that regulate plant development. The broader impact of this work is in the potential for increasing plant biomass and yield.



Joanne Chory

2 strategic planning workshops scheduled

Two workshops will be offered on Friday, Sept. 21, at The Penn State Conference Center Hotel, University Park, to familiarize participants with several communication tools useful for strategic planning.

From 8 a.m. to noon, the focus will be on the "Strategy Matrix," a tool developed by futurist Joel Barker that allows examination of the impact of emerging trends and innovations on an organization's goals.

The second workshop, from 1:30 to 4 p.m., will examine interrelationship diagrams and radar charts. The interrelationship diagram is a tool that allows a team to identify, analyze and map out the cause-

and-effect relationships that exist among critical issues. The radar chart can be used to assess a unit's performance by measuring the perceived size of the gaps between current and ideal performance.

Mary Fink, a senior instructor for the Center for Professional Development, Belmont University, Nashville, Tenn., will lead both workshops.

The workshops, sponsored by the Center for Quality and Planning and the University's Web Strategies Implementation Team, are offered free to University faculty and staff.

To register for either workshop, call (814) 863-8721 or e-mail psucqp@psu.edu.

Alums will talk about the information revolution

"Facts and Fortunes: How the Information Revolution Is Transforming Business," a presentation by several alumni, will be held from 3:30 to 5 p.m. Thursday, Sept. 20, in the Lawrence G. and Ellen Foster Auditorium, 101 Pattee Library on the University Park campus.

Speakers include Gary Gray, private consultant, formerly with E.F. Hutton and Co. Inc.; Lloyd Huck, retired chairman of the board, Merck and Co. Inc.; George Midlemaas, managing partner, APEX Investments; and Joseph Strazza, president and

chief executive officer, WinMill. Gary White, head of the William and Joan Schreyer Business Library, will moderate the presentation.

The event is free to the public. The presentation will be followed by a reception in the Charles W. Mann Jr. Assembly Room, 103 Pattee Library.

For information, call Gary White at (814) 865-9268 or e-mail ggw2@psu.edu, or call Shirley Davis at (814) 865-0401 or e-mail sjd3@psu.edu.

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at <http://www.psu.edu>, and click on the link under "Announcements" to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



News in Brief

University Women's Club reception

The University Women's Club will welcome new and former members at its reception at 7:30 p.m. Wednesday, Sept. 11, in the ballroom of The Nittany Lion Inn on the University Park campus.

All female faculty, staff, spouses and alumnae may attend.

Women may register for a variety of interest groups that meet throughout the year. In addition, the club has established a scholarship for returning adult students at University Park.

For information, call Mary Lou Bennett at (814) 235-9107, extension 315.

Faculty Staff Club open house

The Faculty Staff Club invites full-time faculty and staff to a "Welcome Aboard and Welcome Back" open house from 4:30 to 8 p.m. Wednesday, Sept. 19, in the club's suite in the lower level of The Nittany Lion Inn on the University Park campus.

New faculty and staff and prospective new members will have a reception from 4:30-5:30 p.m. Club members will join in from 5:30-8 p.m.

A prospective new-member drawing for Penn State Bookstore gift certificates will be held. Newcomers to the club receive a complimentary six-month club membership.

The event is free for prospective new club members. Others pay the \$10 club member account price or \$12 cash or guest price.

For information, e-mail fsclub@psu.edu or call Tammy Homan, club manager, at (814) 865-8563.

MOC open house

The Microcomputer Order Center, the University's computer store, will hold an open house on Friday, Sept. 28, and Saturday, Sept. 29, in 12 Willard Building on the University Park campus.

The annual open house is designed for faculty, staff, parents and students to learn more about the computer hardware and software products sold at the center. A variety of products will be set up for demonstration and consultants and vendor



Workers from the Office of Physical Plant use heavy equipment to hoist tree roots into a truck near Old Botany Building on the University Park campus. A number of landscaping projects helped beautify the campus this summer.

Photo: Greg Grieco

representatives will be available to answer questions.

Participants can register to win one of more than a dozen prizes including a Palm handheld organizer.

Hours are 8:30 a.m. to 5 p.m. Friday and from 9 a.m. to 2 p.m. Saturday. For information, visit the Web at <http://moc.cac.psu.edu> or call (814) 865-2100.

Reminder

The closing date for receipt of Evan Pugh professorship nominating materials is

Monday, Oct. 22.

All nominations must be submitted in accordance with Policy HR87 and established guidelines and should be sent to the dean of the academic college in which the nominee is appointed. Current nomination guidelines may be obtained by calling (814) 863-9580, by e-mail to vx22@psu.edu, or by stopping in 304 Old Main, University Park.

Reservations online

Hotel reservations at University Park just got a little easier with an online reserva-

tion service offered by The Nittany Lion Inn and The Penn State Conference Center Hotel. The new Web site, <http://www.pjts.psu.edu/>, offers a complete reservation service, including room availability, rates and available dates.

The site also offers virtual tours of both properties, including overnight rooms, banquet space and restaurants. The site features a map and directions to the hotels and a listing of job opportunities with the University's Hospitality Services.

For information, check the Web site or call Fran Levin at (814) 863-5011.

Special Collections Library has been reorganized; new unit instituted for public service

The Eberly Family Special Collections Library on the University Park campus has been reorganized to place more emphasis on public service and to help researchers in accessing the library's holdings in person, on the Web and by telephone.

A new unit, Public Services and Outreach, headed by Lee Stout (lys2@psu.edu) with Jeanette Eisenhart, staff support, was created to provide enhanced reference and access assistance to students, faculty and other researchers. The unit coordinates reference queries by mail, phone, fax and e-mail

as well as classes and tours related to the library's collections.

The other three units — Historical Collections and Labor Archives, Rare Books and Manuscripts, and Penn State University Archives — also have been reorganized.

Jackie Esposito (jxe2@psu.edu) is the new University archivist, and her staff includes Robyn Dyke, Paul Dzyak, Peter Kiefer and John Meredith.

James Quigel (jpq1@psu.edu) continues as head of Historical Collections and Labor Archives and his staff includes

Jane Charles and Michelle Dzyak.

Sandra Stelts (sk55@psu.edu) has a new title — associate curator for Rare Books and Manuscripts. She leads a reorganized Rare Books and Manuscripts unit including Chris Bailey, Lee Gruver and Alston Turchetta.

The following staff have taken on other duties: Dyke is assisting Esposito with records management and Stout is assisting with electronic records management.

For information on the Special Collections Library, call (814) 865-1793 or (814) 865-7931.



Arts & Entertainment

Jury Recognition Recital

Undergraduates who performed outstanding spring semester recitals will be featured in the Jury Recognition Recital at 8 p.m. Friday, Sept. 7, in the Esber Recital Hall, Music Building 1, on the University Park campus.

Students featured include Winn D. Robertson, horn; Aaron McKinney, trombone; Timothy Crawford, piano; Brian Fronzaglia, timpani; Diane Persin, violin; Jennifer McDonough, voice; Madeline Bala, saxophone; and Elizabeth Golden, flute.

The recital is free to the public.

Folk song recital

Soprano Susan Boardman, associate professor of music and director of the Penn State Opera Theatre, and pianist Steven Smith, professor of music, will present a concert of Bela Bartók's settings of Hungarian and Slovak folk songs for voice and piano at 3 p.m. Sunday, Sept. 9, in the Esber Recital Hall, Music Building 1, on the University Park campus.

Bartók was one of last century's first ethnomusicologists, and, with Zoltan Kodály, collected, recorded, transcribed and studied peasant music from Hungary, Romania, Slovakia, Turkey and North Africa. He used the tunes he collected in numerous instrumental compositions and in four sets of songs.

The concert is free to the public.

Baroque Ensemble

The Penn State Baroque Ensemble will present a concert at 7:30 p.m. Monday, Sept. 10, in the Esber Recital Hall, Music Building 1, on the University Park campus.

The ensemble will be joined by a chamber group made up of visiting faculty from Oberlin Conservatory and Peabody Conservatory along with Robert Nairn, assistant professor of music.

Tickets are \$10 for the general public, \$5 for faculty and free for students. For ticket information and reservations call (814) 865-8339 or email rcn3@psu.edu. Proceeds from the concert will help pay for the visiting faculty and will be used toward the future purchase of Baroque instruments for the ensemble.

Kern exhibit

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," black and white photography by Robin Hoecker, will be on display from Sept. 10 through Dec. 5 in the Kern Commons Building Exhibition Area on the University Park campus. For more information, call the Kern Information Desk at (814) 865-3027.

Folk concert, jam session

Folk duo Simple Gifts will present a concert followed by a jam session for local artists on Tuesday, Sept. 18, at Penn State BoBois.

The performance begins at 7 p.m. in the Hiller Building Auditorium. Following the show, local musicians of all instruments and abilities are invited to sit in with the duo.

The event is free to the public. For information, call Rebecca Pennington at (814) 375-4766 or (800) 346-ROAR.

Two exhibits in the Art Alley

"Images on Paper," watercolor collages by Richard Hamwi, and "Seeing the World Through Women's Eyes," black and white photography by Kathleen Karp, will both be exhibited in the Art Alley adjacent to the HUB Gallery at the HUB-Robeson Center on the University Park campus.



"Side Show" is a moving story about hope, aspiration and acceptance. Inspired by the real lives of performers Daisy and Violet Hilton, it is the powerful tale of Siamese twins and their pursuit of stardom and romance. This musical takes place Sept. 21 through 29 in the Pavilion Theatre on the University Park campus. For tickets, call (814) 863-0255.

Jordan's Wizards to square off against the Philadelphia 76ers

The NBA's Eastern Conference Champion Philadelphia 76ers will play Michael Jordan's Washington Wizards in an NBA preseason game at 7 p.m. Monday, Oct. 22, at The Bryce Jordan Center on the University Park campus.

Tickets cost \$30, \$19.50, \$15 and \$10 for reserved seating.

The Philadelphia 76ers include the last season's Most Valuable Player, Allen Iverson; Defensive Player of the Year, Dikembe Mutombo; the Sixth Man of the Year, Aaron McKie; and last season's Coach of the Year, Larry Brown.

Jordan's Wizards will be coached by former Sixer Doug

BRYCE JORDAN CENTER

Collins. The team features this year's top draft pick, Kwame Brown and newly acquired players Brendan Haywood and Christian Leattner.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth campus ticket outlets, by phone at (800) 863-3336 or (814) 865-5555, or online at <http://www.bjc.psu.edu>.

The exhibit "Images on Paper" contains abstract images and explores variations on themes derived from nature and experience. It runs through Oct. 25.

"Seeing the World Through Women's Eyes," highlights

the United Nations Fourth World Conference on Women (1995) in China and continues through Oct. 15.

For information on either exhibit, call (814) 865-2000 or visit <http://www.usa.psu.edu/galleries>.



University Park Calendar

September 7 - September 16

SPECIAL EVENTS

Saturday, September 8

"100% Laughter Arts Festival," with Robert Schimmel, Bobcat Goldthwait, Wendy Liebman and Kevin Meaney, 8 p.m., The Bryce Jordan Center. For tickets, call (800) 863-3336.

Sunday, September 9

Penn State Ice Rink open house, 6 to 8 p.m., Ice Rink.

Friday, September 14

"Henry Pearson: The Poetry of Line," gallery talk, by Patrick McGrady, noon, Christofers Lobby, Palmer Museum of Art.

MUSIC

Friday, September 7

Jury Recognition Recital, 8 p.m., Esber Recital Hall, Music I.

Sunday, September 9

Concert by Susan Boardman, soprano, and Steven Smith, pianist, 3 p.m., Esber Recital Hall, Music I.

Monday, September 10

The Penn State Baroque Ensemble, 7:30 p.m., Esber Recital Hall, Music I.

Saturday, September 15

Gregory Hines, song-and-dance show, 7:45 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

SEMINARS

Thursday, September 6

Ashoke Sen on a subject to be announced, 4 p.m., 117 Osmond Laboratory.

Friday, September 7

Maxwell King on "The Soul of the New American City," 11:30 to 1 p.m., The Penn Stater.

Richard Light will speak about student needs and practices, 3:30 to 5 p.m., HUB-Robeson Auditorium. To register, call (814) 865-4442.

Monday, September 10

Simon Phillipot on a subject to be announced, noon, 339 Davey Laboratory.

Paul Rose on "Meyerbeer and Wagner Revisited: Parody and Intensification," 12:40 p.m., 102 Kern.

Ralph Rodriguez and Santiago Vaquera on "Alienated Aztlan: Post-Nationalist Chicana/os and the National Imaginary," 2:30 to 5:30 p.m., 306 Burrows.

Ashay Ashtekar on "Meeting Challenges of Quantum Gravity: Recent Advances," 3:30 p.m., 318 Osmond Laboratory.

Tuesday, September 11

Andreas Freund on "Deeply Virtual Compton Scattering at Next-to-Leading Order," 3:30 p.m., 318 Osmond Laboratory.

Michael Warner on "Queer Norms," 4 to 6 p.m., 109 Pattee Library.

Joanne Chory on "Steroid Hormones in Plant Development," 4:15 p.m., 101 Thomas.

Wednesday, September 12

Tamara A. Baker on "Predictors of Physical Health and Athletic Status in Older Community Dwelling African Americans," noon to 1 p.m., 108 Wartik Laboratory.

Hans Ischlik on "Dynamic Shape Control of



"Tree Study," part of the exhibit "American Pastoral: Drawings by John F. Kensett American Works on Paper Gallery," will be on display in the Palmer Museum of Art on the University Park campus. The exhibit, which includes the artist's better-known American landscape sketches, complemented by a selection of Kensett's costume figure studies rendered in pencil and watercolor, will be on display from Sept. 18 through Dec. 21.

Solid Structures," 3:35 to 4:25 p.m., 114 Earth and Engineering Sciences.

Thursday, September 13

Elizabeth Dickey on a subject to be announced, 11:15 a.m., 22 Delke. Griselda Pollock on "Maternal Moments in the Virtual Feminist Museum," 3 p.m., Lipson Auditorium, Palmer Museum of Art.

Roberto Merlin on "The Dark Side of the Cerenkov Effect: Light Emitting Light at Subluminal Speeds," 4 p.m., 117 Osmond Laboratory.

Friday, September 14

Manish Gupta on "Optimizing Java Programs: Challenges and Opportunities," 4 p.m., 302 Pond Laboratory.

EXHIBITS

HUB-Robeson Center

"Three Award-Winning Medalists," by Jeanne Stevens-Soliman, Leanda Finke and Karen Worth, through Sept. 16.

"Images on Paper," water collages by Richard Hamml, through Oct. 25.

Kern exhibit area

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," photography by Robin Hoekker, Sept. 10 through Dec. 5.

North Halls exhibit area

Photographs by Jake Waldman, through Sept. 16.

Palmer Museum of Art

"Differences Preserved: Reconstructed Tombs from the Lao and Song Dynasties," through Dec. 16.

"The Poetry of Line: Drawings by Henry Pearson," Sept. 11 through Nov. 18.

Pattee and Paterson Library exhibit areas

"To Make You Feel Proud: Gender and Sexuality Studies at Penn State," through Oct. 31.

"Beauty Within the War-Torn Shadows: Visual Arts and Music of the Civil War Era," through Oct. 28.

"Riding the Keystone Rails — Selections from the Railroad Collections of the Special Collections Library," through Oct. 20.

Ritner Center

"Secret Strengths," by Rebecca Porter, through Sept. 12.

Zoiler Gallery

Exhibit of Work from School of Visual Arts Faculty, through Sept. 21.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming conference and institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

BOOK SHELF

Gary L. Messing, professor and department head, materials science and engineering.

Ceramic Processing Science VI, published by The American Ceramic Society.

Messing edited the volume along with Shin-ichi Hirano of Nagoya University and Nils Clausen of Technical University Hamburg-Harburg. This book reports the most recent developments in ceramic processing science as reported at the Seventh International Conference on Ceramic Processing Science held May 15-18, 2000, in Inuyama City, Japan. Nine of the invited papers and 116 of the contributed papers are published in the volume, which includes chapters on such topics as powder synthesis, dispersion and colloid chemistry, solution routes for ceramic thin films and new trends in ceramic processing.



Appointments

New deans, vice president begin duties at Penn College

Two new academic-school deans and a senior-level administrator began their duties recently at Pennsylvania College of Technology, where the Fall 2001 semester got under way Aug. 20.

Henry R. Marcinkiewicz is Penn College's new associate vice president for academic affairs, assisting Veronica M. Muzic, vice president for academic affairs/provost.

Edward A. Henninger is the college's new dean in the School of Business and Computer Technologies. He succeeds Terry A. Girdon, who returns to the faculty as professor of business administration.

Nicholas J. Vitteirte joins Penn College as the new dean in the School of Integrated Studies. He succeeds Diana I. Kuhns, who returns to the faculty as assistant professor of mathematics after serving as acting dean.

Before joining the administration at Penn College, Marcinkiewicz was the founding director of the Center for Teaching, Learning and Faculty Development at Ferris State University, Big Rapids, Mich. He also has worked as an educator in Saudi Arabia, Japan, Poland and South Dakota.

Marcinkiewicz earned a doctorate in instructional systems from Penn State. He earned a master's degree in education from Temple University and a bachelor's degree in English literature from Montclair State College, New Jersey. He studies and writes about the conditions under which people adopt innovations, specifically, the use of technology in teaching.

Henninger, a South Williamsport native, earned a doctorate from Penn State and a master's degree in business administration from

Shippensburg University. Before joining Penn College, he served as an associate professor and chairman of the Business Administration Department at Lycoming College. Before that, he held a variety of positions in industry, serving as a marketing representative with ITT and as a distribution-center manager and new-projects coordinator for a national auto-parts chain.

Vitteirte has more than a dozen years' experience in both college teaching and academic administration. He taught previously at St. Johns River Community College (Florida), Georgia Perimeter College, Emory University and DeVry Institute of Technology (Atlanta).

He worked in academic administration at DeVry Institute of Technology, where he served as dean of General Studies, dean of the Business Operations Program, acting dean of the Accounting Program and dean of the Evening and Weekend Programs.

Vitteirte earned a doctorate in American Studies from Emory University, a master's degree in English literature from Florida Atlantic University, a bachelor's degree in English from Florida Atlantic University and an associate degree from Miami-Dade Community College.

The college continues its search for a new dean for the School of Industrial and Engineering Technologies. Those duties will be handled in the interim by Donald O. Praster, assistant dean for industrial and engineering technologies. The former dean of the school, Eric K. Albert, has returned to the faculty as associate professor of machine tool technology/automated manufacturing.

Development announces several appointments

A number of development appointments have been made recently at various University locations.

Bruce Covington has joined the Division of Development and Alumni Relations as managing director, planned giving and endowment. He is principally responsible for the day-to-day management of the Office of Planned Giving and Endowments, including the supervision of staff.

Covington comes to Penn State from the private practice of law in Orem, Utah. His expertise lies in estate planning and tax law and he has been a Navy lawyer with the JAG Corps. He holds bachelor's and juris doctorate degrees from the University of Utah, and an LL.M. in taxation from the University of San Diego.

Amey Frank was recently appointed as the assistant director of the President's Club in the Office of Annual Giving. She was previously employed as a human performance consultant with Accenture Consulting and is a graduate of the Schreyer Honors College with a degree in public relations.

In her new position, Frank will be responsible for increasing membership in the University's President's Club — an annual giving society of nearly 3,000 donors who make annual gifts totaling \$2,500 or more.

John Hiner has been appointed director of major gifts at The Milton S. Hershey Medical Center. He is responsible for directing the major gifts staff at the medical center and increasing overall giving, particularly from former patients.

Before joining the Division of Development and Alumni Relations, Hiner was employed as senior major gifts officer and regional director of development for the University of Virginia Health System. The University of Virginia recently completed a successful \$1.4 billion campaign. Hiner has a bachelor's degree from St. Andrews Presbyterian College in North Carolina and a master's degree from Indiana University. He is a former member of the U.S. Coast Guard.

David W. Kraybill has been named director of development for the Commonwealth College. He is responsible for overseeing

all aspects of fund raising at the Commonwealth College locations, including supervising fund-raising professionals at all 12 campuses.

Before joining the Division of Development and Alumni Relations, Kraybill served as president and executive director of the Community Foundation of the Alleghenies in Johnstown. He holds a degree in economics from Carnegie-Mellon University.

Marc McMullin has joined the Division of Development and Alumni Relations as director of development for Florida. He represents all areas of Penn State in a fund-raising context in that state, and his responsibilities include identifying, assessing and soliciting potential donors to the University.

McMullin is back at the University after serving as a financial consultant with Merrill Lynch. His previous employment included positions in the College of the Liberal Arts and the Office of Donor Relations and Special Events. He holds a degree from West Chester University.

Kevin Moore has been named to the newly created position of director of alumni relations at Penn State Erie. He has served the University for more than 10 years as assistant director

for Penn State Erie's Career Development Center. In his new position, Moore will be responsible for creating and leading the Office of Alumni Relations, building relationships with the college's 20,000 alumni, developing the senior class gift program and involving alumni in the day-to-day life of the college.

Moore holds a bachelor's degree from Penn State Erie and a master's degree from Penn State Harrisburg.

Jennifer M. Schlener has been named director of annual campaigns for The Milton S. Hershey Medical Center. She previously served the Division of Development and Alumni Relations at the medical center as the coordinator of the Children's Miracle Network (CMN). In her new position, she is responsible for overseeing the fund-raising efforts of staff assigned to CMN and the Four Diamonds Fund. She also is responsible for expanding the center's direct mail efforts, particularly to former patients and area residents.

Schlener's previous employment includes a directorship with the Direct Marketing Educational Foundation in New York City and management of the annual giving office at Franklin and Marshall College in Lancaster. She is a 1994 graduate of Franklin and Marshall.



Bruce Covington



Amey Frank



Kevin Moore



James F. Campbell

Campbell appointed director of Outreach Operations

James F. Campbell has been appointed director of Outreach Operations for the Division of Continuing Education, Penn State Outreach and Cooperative Extension, effective July 1.

He is working closely with the associate vice president for outreach and executive director of the Division of Continuing Education to build relationships with college and campus leaders who have responsibility for continuing education, as well as with representatives from Penn State Cooperative Extension and Technology Transfer units. He also is providing leadership and support for the coordinated University-wide Continuing Education organization.

Campbell served as associate director of Outreach Operations from 1999 to 2001. He was associate director of Conferences and Institutes in the Division of Continuing Education from 1993 to 1999, and from 1987 to 1999 he was regional director of Continuing Education for the Northeastern Region. He spent 12 years at Penn State Wilkes-Barre as

director of Continuing Education. From 1973 to 1980, he was a continuing education area representative at Penn State York.

He earned a bachelor of science degree in administration of justice/law enforcement and corrections from Penn State in 1972 and a master of science in education from Temple University in 1977. He attended the Management of Lifelong Education Program at Harvard University's Graduate School of Education in 1989.

He is a member of the University Continuing Education Association (UCEA) and a founding member of the Continuing Education Association of Luzerne County.

At Penn State, he has chaired the Outreach Faculty/Staff Campaign and co-chaired the Outreach Professional Development Conference Planning Committee, the Continuing and Distance Education United Way Campaign and the Outreach Partnership Fund Committee.



More Appointments

Davis appointed head of Film-Video and Media Studies

Dennis K. Davis, professor of communications and director of International Programs for the College of Communications, has been named head of the college's Department of Film-Video and Media Studies.

Davis has served as interim head since June when Mary Mander, associate professor of media studies, stepped down.

Before joining Penn State in 1996, Davis was a professor of communication at the University of North Dakota's School of Communication, where he served as director from 1990 to 1993. He also has been appointed to tenured full-professor positions at Cleveland State University and Southern Illinois University.

From 1995 to 1997, Davis was editor of the *Journal of Broadcasting and Electronic Media*. He is a member of the editorial review board for the *Journal of Communication and Communication Quarterly*. He regularly reviews research for several other journals.

The co-author of four books on political communication, mass communication theory and news audience research, Davis also has published 15 book chapters, 13 journal articles and 11 book reviews. He has presented more than 50 research papers at state, regional and national meetings and has headed divisions of the Association for Education in Journalism and Mass Communication and the National Communication Association. He recently was appointed to an Internationalization Task Force for the association.

From 1979 to 1980, Davis was a Fulbright senior lecturer at the University of Amsterdam and the University of Louvain la Neuve.

He received his doctoral degree from the University of Minnesota's School of Journalism and Mass Communication and holds a bachelor's degree in social psychology from St. Olaf College.

Assistant department head has been appointed in Architecture

Darla Lindberg, associate professor of architecture, was recently appointed assistant head of the Department of Architecture in the College of Arts and Architecture.

She will be responsible for activities related to graduate and undergraduate academic affairs, including working with student organizations, overseeing curriculum design and teaching assignments, and coordinating internship programs and alumni correspondence.

Lindberg, a registered architect since 1985, has been at the University since 1995 and received tenure in 1999. In 1996, she won the Institute for the Arts and Human-

istic Studies Research Award. In addition to teaching architecture courses, Lindberg has participated in and taught classes on teaching across disciplines and curriculum development. She also has participated in various design projects, including personal residences and projects with Harvard University Medical Center, University of Virginia and University of Utah.

Before coming to the University, Lindberg taught at the University of Utah. She holds a bachelor of architecture degree and a bachelor of science degree in architecture from North Dakota State University and a master of architecture degree from Iowa State University.

resource instruction. Faulds will use workshops, publications and applied research activities to improve public awareness and understanding of coastal issues.

"Pennsylvania Sea Grant was established at Penn State Erie in 1998, and its initial geographic focus has been the 63 miles of Lake Erie coastline and the Lake Erie watershed," said Faulds. "Now the program has expanded to provide similar attention to the state's eastern coast."

The National Oceanic and Atmospheric Administration within the U.S. Department of Commerce administers Sea Grant.

Under pressure



Members of the University's police and safety departments tested the water pressure at Beaver Stadium on the University Park campus. Testing is required by state and local safety codes. The stadium facilities met the requirements.

Photo: Greg Cifeco

AWARDS

Chef honored with Master Teacher Award

The Master Teacher Award, the highest honor accorded to a Pennsylvania College of Technology faculty member, was presented to Chef Paul E. Mach, assistant professor in the School of Hospitality and cost of the college's award-winning PBS cooking series "You're the Chef."

Mach, who joined the Penn College faculty in 1992, received the award during summer commencement ceremonies at the Community Arts Center in Williamsport.

Mach has earned associate degrees from the Culinary Institute of America and Erie Community College and a bachelor's degree from Empire State College of the State University of New York.

Each May at commencement, Penn College recognizes the outstanding work of faculty through the Distinguished Teaching Awards. Since the inception of the program, 61 Penn College faculty members have been honored for their excellence in the classroom.

Senior instructor named outstanding teacher

Dick Barrett, senior instructor of business at Penn State Delaware County, received the 2001 Outstanding Teacher Award. The announcement came at the campus' fall convocation.

Barrett, who has been with the campus since 1985, earned his bachelor's degree and MBA from Youngstown State University. He also was the recipient of the campus' Outstanding Teacher Award in 1991.

Barrett had a significant role in the development of the four-year business degree program currently being offered at Penn State Delaware County. The business degree program was developed in partnership with leaders in the business community, including representatives of both profit and not-for-profit sectors. The program prepares its graduates to adjust to the realities of today's and tomorrow's workplace.

NEW AT PENN STATE

Collaboration aimed at improving estuary

Penn State Cooperative Extension and Pennsylvania Sea Grant have collaborated to develop a partnership in the Delaware River estuary that will focus on improving the environmental and economic health of Pennsylvania's eastern coast.

The partnership will cover 57 miles of coastline along the Schuylkill and Delaware Rivers in Bucks, Philadelphia and Delaware counties. Leading the partnership is urban coastal environmental agent Ann Faulds, a biologist with more than 14 years of experience in aquatic



Partings

Professor of music, ensemble conductor retires to pursue book

D. Douglas Miller, professor of music, retired recently.

He joined the faculty as an instructor in 1969, gaining full professor status in 1988. He taught a wide variety of courses at the college, most recently graduate-level conducting and choral literature.

Miller has been the music director/conductor of several local and University ensembles, including the State College

Choral Society, Choral Society Madrigal Singers, Penn State Philharmonic, Musica da Camera Chamber Orchestra, Concert Choir, Chamber Singers, Pennsylvania Chorale and Pennsylvania Chamber Chorale. He was the founder of several of these ensembles.

Miller has conducted approximately 1,000 concerts around the world, including more than 100 concerts in 20 countries. His

repertoire conducted since 1969 includes approximately 500 orchestral works and 1,500 choral and choral/orchestral works.

Miller served for three years as president of the Pennsylvania chapter of the American Choral Directors Association and is currently the Eastern Division president of that organization, in addition to being involved in various other professional associations. In 1986, he co-authored, with Anne Highsmith,

Heinrich Schütz: A Bibliography of the Collected Works and Performing Editions, which earned Choice magazine's "Outstanding Academic Book" award that year.

Upon retirement, Miller's immediate goal is to write a major choral literature book, reflecting his four decades of conducting that repertoire. He also looks forward to traveling and working on a variety of projects at home.

Houtz retires after distinguished career as facility manager in the College of Engineering

Robert Houtz, facility manager for the College of Engineering, has retired after 36 years with the University.

Houtz began his career with Penn State as the reactor supervisor for nuclear engineering in 1965. In 1981, he became the facilities manager and shortly thereafter became the college safety officer.

During his tenure as facilities manager, Houtz oversaw some

dramatic changes in the College of Engineering. He coordinated the simultaneous renovation of Electrical Engineering West and Reber Building.

He played a leading role in the planning and development of Foundry Park, the Class of 1993's gift to the University.

Houtz was instrumental in the planning and construction of Hallowell Building, home of the Department of Bioengineer-

ing. His idea for a generic layout to the structure allows the building to be extremely flexible and valuable, even as faculty and needs have changed over time.

Most recently, Houtz was heavily involved in the planning and construction of the University's West Campus, including the college's two newest buildings, the Leonhard Building and the Earth and Engineering Sciences Building.

Many say farewell to University employment; many awarded emeritus status

Monir Ahmed, assistant professor of electrical engineering at Penn State Erie, from Aug. 16, 1986, to July 1.

Arnold W. Barger, storeroom worker in Housing and Food Services, from Sept. 25, 1966, to March 31.

Ali A. Behagi, associate professor of electrical engineering at Penn State Harrisburg, from Jan. 1, 1986, to July 1.

Mary A. Bieber, administrative assistant II at Penn State Berks, from Jan. 3, 1984, to July 3.

Doreles J. Corman, staff assistant VI in College of Earth and Mineral Sciences, from May 1, 1980, to July 4.

Mahlon E. Fetzer, agronomy technician in College of Agricultural Sciences, from July 1, 1965, to July 3.

Robert B. Frantz, research assistant in College of Earth and Mineral Sciences, from Aug. 15, 1987, to July 7.

Janice M. Fleck, dining hall worker A in Housing and Food Services, from Feb. 23, 1969, to May 5.

Barbara J. Gillespie, food preparer A in Housing and Food Services, from Sept. 8, 1973, to March 31.

Leo R. Mc Ginnis, warehouse worker A in Business Services, from Sept. 30, 1970, to May 26.

Luis R. Gonzalez, campus registrar II at Penn State Beaver, from March 1, 1973, to April 1.

L. Diann Hower, staff assistant VI in Intercollegiate Athletics, from Jan. 19, 1981, to July 6.

Mary J. Johnson, staff assistant VIII in Office of the Vice President for Research, from April 25, 1977, to July 17.

Gretchen A. Leathers, assistant director in Division of Out-

reach and Cooperative Extension, from Feb. 13, 1984, to July 6.

Gloria J. Lebo, staff assistant V at Penn State Harrisburg, from Sept. 1, 1983, to July 3.

Mary E. Liberatori, assistant manager of housing and apartments in Housing and Food Services, from Sept. 2, 1982, to July 3.

Janice A. Lopasky, staff assistant IV at Penn State Wilkes-Barre, from March 10, 1986, to July 3.

Floyd A. Maines, technician television and electronics A in Division of Outreach and Cooperative Extension, from Sept. 18, 1978, to July 14.

John E. Miller, manager, housing services I in Housing and Food Services, from June 11, 1979, to April 1.

Barbara A. Naugle, janitorial worker at Penn State New Kensington, from Sept. 17, 1972, to April 28.

Donna C. Nicely, contracts and proposals specialist in College of Education, from Nov. 1, 1980, to July 3.

Linda M. Nihart, administrative assistant I in College of the Liberal Arts, from Sept. 27, 1982, to July 3.

Louis Plank, manager, materials and stores in Office of Physical Plant, from Nov. 10, 1980, to July 3.

Edna J. Poling, staff assistant V at Penn State Mont Alto, from Aug. 23, 1982, to July 1.

Robert L. Ray, chief pharmacist in Student Affairs, from Feb. 1, 1983, to July 3.

Carl L. Romanek, assistant professor of history at Penn State McKeesport, from Sept. 1, 1969, to July 3.

Mary L. Romanek, assistant professor of music education at Penn State McKeesport, from Sept. 1, 1974, to July 3.

Patricia T. Thornton, administrative assistant III in Division of Outreach and Cooperative Extension, from July 12, 1982, to July 3.

Kathryn K. Tremblay, staff assistant IV at Penn State Abington, from May 1, 1981, to June 30.

James S. Young, assistant professor of kinesiology at Penn State Lehigh Valley, from Sept. 1, 1979, to July 1.

Edward Bruce Waltz, University police officer, from Aug. 27, 1972, to July 3.

Emeritus

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

John J. Coyle, professor emeritus of business administration in The Smeal College of Business Administration, from Sept. 1, 1961, to April 1.

Frederick G. Ferguson, professor emeritus of veterinary science in College of Agricultural Sciences, from Sept. 1, 1966, to July 7.

Arthur A. Hower, professor emeritus of entomology in College of Agricultural Sciences, from Dec. 1, 1966, to July 3.

Carol F. Kessler, professor emeritus of English/American and women's studies at Penn State Delaware County, Sept. 1, 1979, to July 3.

Peter Labosky, professor emeritus of wood science/technology in College of Agricultural Sciences, from Sept. 1, 1979, to July 31.

Douglas R. Marne, associate professor emeritus of theatre arts in College of Arts and Architecture, from Dec. 1, 1980, to June 30.



Focus on Research



What's blue and white and red all over?

Get a gander at the Penn State Cherry Tomato

By **JEFFREY J. MULHOLLEM**
College of Agricultural Sciences

A College of Agricultural Sciences researcher has developed a soon-to-be released tomato hybrid that may save growers millions of dollars and provide incalculable benefits to public health.

The new tomato, tentatively called the Penn State Cherry Tomato, grows on plants that are resistant to diseases that typically ruin nearly a third of Pennsylvania's tomato crop. Also, the fruit contains three times as much of the powerful antioxidant compound lycopene as do other cultivated strains of tomatoes. Research has shown that lycopene in the diet helps prevent many types of cancer and heart disease.

Majid Foolad, associate professor of plant genetics and breeding, has spent seven years developing tomatoes for Pennsylvania's climate.

Unlike other strains of tomatoes developed primarily for California and Florida, where more than 90 percent of the country's tomatoes are grown, the Penn State variety thrives in Pennsylvania's climate.

Foolad also is conducting research to improve tomato cold tolerance and adaptation to Pennsylvania conditions.

The new variety can resist fungal blights common in the Keystone State.



Majid Foolad, associate professor of plant genetics and breeding, developed the Penn State Cherry Tomato, top photo, a hybrid made with Pennsylvania's climate in mind.

That's big news because tomatoes are Pennsylvania's second biggest vegetable crop, after sweet corn, with an annual harvest worth more than \$16 million.

Foolad says early and late blight wipe out an average 30 percent of tomatoes grown in Pennsylvania. Most commercial growers spray costly fungicides 10 to 15 times during the growing season to protect their crops, at an estimated \$1 million cost statewide annually.

Ironically, Foolad found the ingredi-

ents for the improved strain deep in the tomato's past. He started with wild seeds from the gene banks maintained at C. M. Rick Tomato Genetics Resource Center at the University of California, Davis, and the U.S. Department of Agriculture Plant Genetic Resources Unit, Geneva, N.Y. The tomato evolved millions of years ago in what is now Peru and Chile in South America. It was domesticated in Central America.

The resistance to blight and increased lycopene content were both found in wild tomato genotypes, which were painstakingly crossed and recombined with cultivated tomato strains by Foolad and his associates to obtain desired qualities.

"We screened more than 300 genotypes in the first few years," Foolad added. "We evaluated for blight resistance, high lycopene content and other growth characteristics suitable for production in Pennsylvania."

The Penn State hybrid produces a deep red fruit compared to the paler color of other cultivated tomatoes. It is almost perfectly round, with an average diameter of slightly more than an inch.

The tomato will be "showcased" to growers, patented and released in the next year, Foolad said.

Jeffrey J. Mulhollem can be at jim290@psu.edu.

Switching action may be key to molecular computers

Your future computer may have components that function based on the action of single molecules. A step in that direction has been made by showing that single molecules can switch between "on" and "off" states, and then hold in a state for hours at a time.

According to researchers at Penn State and Rice University, specially designed single molecules can switch in that manner. In addition, conformational changes—which happen when molecules alter their arrangement by rotation of their atoms around a single bond, effectively changing shape by moving or turning—determine how and when that conductance switching occurs in those molecules.

Researchers determined that limiting conformational changes reduces switching between the "on" and "off" states. Just as squeezing a lot of people into a small room limits their ability to move freely, researchers determined the same thing was happening at a much smaller scale with molecules. Conformational changes do not occur as frequently when the molecules have less room to move in their host environment, or matrix.

Because switching provides the basis of logic and memory in computer systems, the discovery of what causes such switching in single molecules may help researchers move closer to making molecular computers a reality.

"We essentially tightened the noose around the molecule and showed that once its motion was reduced switching went way down," said Paul Weiss, associate professor of chemistry. "We have not worked out how to make computer architecture or anything else close to that, but tackling the very small end, which is our specialty, has been an interesting and exciting project. Our next step is figuring out how to control the molecules' movement between 'on' and 'off.'"

For the full story, go to <http://www.science.psu.edu/alert/Weiss2001.htm>

Marketing professor produces computerized mental maps

When it comes to marketing a product or service, marketers attempt to establish a unique place or position for it amongst the competitors. Recently, psychometricians have developed computer programs for producing maps of such mental perceptions among consumers using sophisticated mathematical models.

"Unfortunately, all such models for visually portraying a product or service's position to managers are grossly deficient for simultaneously depicting all the relevant aspects of positioning," said Wayne S. DeSarbo, the Smeal distinguished research professor of marketing in The Smeal College of Business Administration.

DeSarbo has developed a new mathematical procedure that can recreate on a computer how consumers perceive different products in their mind.

"It simultaneously depicts the competitive marketplace, brand rank and consumer attitude in a map, as well as deriving the market segments that underlie them," explained DeSarbo. Jianan Wu, assistant professor of marketing at Tulane University in New Orleans, co-authored his research article.

Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mount, editor
Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Building season continues at University Park



Construction on the MBNA Career Services Building on the University Park campus is progressing quickly, as the foundation begins to take shape, left. The center will help improve the effectiveness of important services for students by providing facilities for both the Career Services program and the Morgan Academic Support Center for Student Athletes. The three-story, 44,000-square-foot facility will contain two floors with offices, 44 interview rooms, a conference room, a library and other space to assist students and alumni. The third floor will house the Morgan Center's offices, counseling spaces, conference room and student lounge.

Other groundbreakings scheduled for the near future include the Life Sciences Building at 1:30 p.m. Oct. 5, on the patio of Eisenhower Auditorium; the Chemistry Building at 11 a.m. Oct. 19 at a location to be announced; and the IST Building at 4 p.m. Oct. 26 on the corner of Burrowes and Pollock roads.

Below left, workers prepare to install a fence around a construction site on the campus.

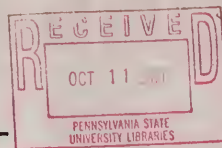
Below right, visitors check in at the registration table for the groundbreaking ceremony for The Village at Penn State, a University-affiliated retirement community off Fox Hollow Road on the University Park campus. Although there are many retirement communities located in college towns, The Village at Penn State is among the few facilities nationwide officially affiliated with a university. For more information, check the Web at http://www.psu.edu/ur/archives/intercom_2001/Aug30/village.html

Photos: Greg Grieco





Intercom



INFORMING THE PENN STATE COMMUNITY

SEPTEMBER 13, 2001

EMS Dean Dutton to retire in 2002

John A. Dutton, dean of the College of Earth and Mineral Sciences (EMS) since 1986, has announced plans to retire on June 30.



John A. Dutton

He joined the University as an assistant professor of meteorology in 1965 and served as head of the Department of Meteorology from 1981 to 1986.

"John has superbly led the college through a period of tremendous change and achievement," said President Graham B. Spanier. "He strengthened the

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Plan to attend State of the University Address on Sept. 21

President Graham B. Spanier will focus on some significant changes in the landscape of higher education in his annual State of the University address, set for Friday, Sept. 21. The address will begin at 3 p.m. in Eisenhower Auditorium on the University Park campus. He also will address the challenges those changes pose and review Penn State's efforts in this area.

Spanier invited everyone in the University community — faculty, staff, students and alumni — to attend the speech.

Before the address, attendees will be treated to Penn State Creamery ice cream, which will be served on the patio in front of Eisenhower Auditorium beginning at 2:30 p.m.

For those unable to attend, the address will be broadcast live via satellite to all campus locations outside of University Park. Information on where to view the address live will be available from public information officers at each campus.

THE HISTORIES OF PENN STATE

'Guard here the spirit'

Penn State Abington began as a private, upscale, girls' finishing school

Editor's note: Most people know the history of Penn State as that of a school chartered in 1855 at the request of the Pennsylvania State Agricultural Society to apply scientific principles to farming. Since that time, Penn State has grown from that one campus at University Park to 24 locations statewide, and each of those other locations has its own special history. Throughout this academic year, Intercom plans to highlight those histories, as told by experts at each of those campus locations.

By TERRIE SMITH
Penn State Abington

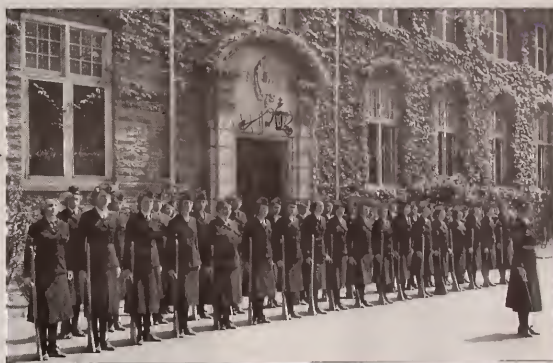
Picture a thin blue line as it serpentine its way through wooded hills, past a scenic duck pond, to culminate in formation at the circle embracing the large stone building that dominates the view.

Abington's campus, once known as Ogontz, has belonged to Penn State for more than 50 years now, but for more than three decades another school occupied these grounds, and its history is a part of ours.

In recent years there has been a revival of interest, not only by alumni of the once-renowned Ogontz School for Girls, but by the public in general.

The passing of time has added to the mystique held by that remarkable institution and the story is worth the telling.

Though the exclusive finishing school had its origins in Philadelphia as the Chestnut Street Female Seminary, by 1853 it had



Women from Company C in the class of 1932 line up outside Sutherland Building at the Ogontz School for Girls, above. The building's exterior, minus the ivy, looks very much the same today (right) as it did then, although the students have changed greatly in appearance.

moved to the lavish estate of Jay Cooke in Elkins Park. A banker who financed the Union during the Civil War, Cooke had suffered financial reverses, and decided to leave his mansion to the school.

It was from Jay Cooke that the name "Ogontz" was derived. Cooke named his estate after an Indian chief who had impressed



Abington, page 2

Abington

Continued from page 1

him with stories of wilderness life during his boyhood in Ohio. "Chief Ogontz" became the school's emblem and remained so throughout the years.

In 1902, Abby Sutherland arrived at "Jay Cooke's Ogontz" as an English teacher. The cum laude graduate of Radcliffe College was destined to become head mistress, president and owner of the Ogontz School for Young Ladies — its strong guiding influence from 1913 until it closed in 1950.

By 1916, the school's reputation among "families of good lineage and culture" had increased its enrollment to the point that it was outgrowing its facilities. With modernization in mind, Sutherland bought 54 acres of land in the "beautiful park section in the hills of Rydal."

When the school shifted quarters, only the main building, now known as Sutherland, had been completed. Several features of the old Ogontz estate were retained by Sutherland's architect, Horace Trumbauer. The palm court of the Jay Cooke mansion was copied, and became the solarium, where tea was served daily and such renowned literary personages as William Butler Yeats, Carl Sandburg and Vachel Lindsay were to guest lecture.

The roster of students over the years is equally impressive with its names of wealth and influence — Campbell, Heinz, Dupont, Gillette, Sperry — occurring and often recurring as the second, third and even fourth generations of the same families sent their daughters from all parts of the United States to the posh private school. But by far the most famous enrollee never graduated, Amelia Earhart, adventurous and restless even then, attended the Ogontz School for a little more than a year. Her academic records remain at the campus.

In early times, most of the girls spent six years at the school, starting at the age of 12. Soon after the move, however, the Rydal School was added to accommodate children through the elementary grades. In 1932, as college preparatory students increased in number, Ogontz was chartered as a junior college. From that time, a girl could attend kindergarten through junior college, all at the same location.

Traditionally, the school emphasized instruction in the classics, arts and foreign languages, though changing times and practicality saw the addition of "domestic sciences" and "applicable skills."

Ogontz was the first private school for girls to have military drill as part of its curriculum.

"No other form of exercise is at once so complete in its demands on attention, concentration and response to standards of posture, walking, consideration for others,"

Sutherland explained. Uniforms evolved with the years, but the drills remained a unique and dominant part of the school's character right up to its closing.

By 1950, the world had changed to the point where the need for a private girls' school with the primary goal of producing cultured young ladies was dubious. Sutherland chose to give the property, its library and all existing facilities, to Penn State as an outright gift.

"Guard here the spirit of the best in your dreams of education," she exclaimed at the presentation ceremony. Sutherland continued to live on the grounds until her death a decade later.

In 1995, Penn State Ogontz became Abington-Ogontz to better reflect its location and relationship to the community. With the restructuring of the former Commonwealth Educational System, the campus was made a Penn State college on July 1, 1997.

Today, Penn State Abington retains much of the charm of its past. With rolling hills and woodlands as a background, the campus' blend of historic old buildings and



One of the most picturesque spots on the Penn State Abington campus is the duck pond, above. In the background is the Springhouse, the oldest building on the campus. President John Oswald located his office in that building when he retired. Today, the building houses the Office of Development and Alumni Relations and a classroom. At right is Rydal Building, which is the home of ROTC, Safety and Police Services, and an engineering laboratory.

Abington at a glance

- Karen Wiley Sandler, dean and CEO
- Leonard Mustazza, associate dean
- 45-acre campus in suburban Abington Township
- Student enrollment of about 3,250
- 90 full-time and 75 part-time faculty members
- Student/faculty ratio of 17:1
- First two years of about 160 Penn State majors
- Complete 10 bachelor's and two associate degrees
- Professional development programs available
- Nine varsity sports
- More than 20 student organizations

architecturally compatible new ones provides a tranquil setting for college life.

The small-college atmosphere is echoed by small classes, individualized attention and a comfortable student-faculty rapport. Some 3,200 students participate in a wide variety of activities from drama, dance, newspaper and literary magazine to service clubs, ethnic organizations and all types of intramural and intercollegiate sports.

Penn State Abington features a large library, modern laboratories and computer facilities, tennis courts and a spacious physical education building. Although there are no residence halls on campus, more than 150 students live in privately owned accommodations nearby.



Starling will be honored as Renaissance Woman of the Year

BY LAURA STOCKER
University Relations

Martha Lewis "Marty" Starling of State College, well-known community volunteer, will be honored as the Renaissance Woman of the Year at the 25th annual Renaissance Scholarship Fund dinner, according to John M. Infield, president of the Renaissance Fund Board of Directors.

The event will be held Thursday, Nov. 15, at the Penn State Conference Center Hotel on the University Park campus, beginning with a reception at 6 p.m. and followed by dinner at 7 p.m. The dinner raises funds for the University's Renaissance Scholarships, which are awarded to academically talented students who have great financial need. Each dinner honors a local leader in the community, and contributions are used to endow scholarships in the honoree's name.

A native of Larned, Kan., Starling has been a volunteer since the age of 10 when she started 4-H work. Her parents raised purebred Polled Hereford cattle, and instilled in their daughter a strong sense of community service. She received her bachelor's degree from Kansas State, but her graduate career took her to Penn State, where she received her master's and doctoral degrees in clothing and textiles. While a graduate student, she met her husband, Jim Starling, who served as a faculty member and administrator in agricultural sciences and now is senior associate dean emeritus. The Starlings have a daughter, Libby, who is director of policy, planning and measures in the Department of Economic Security for the State of Minnesota.

Starling's activities have run the gamut. She taught clothing and textiles at Virginia Tech and also Penn State. She established the awards program in the College Alumni Society. The College of Health and Human Development appointed her



Marty Starling, former director of development for the College of Health and Human Development, has volunteered her time since the age of 10.

first assistant to the dean, then director of alumni relations, and finally director of development. She spearheaded the \$6 million effort to fund the Mather Building, dedicated in 1993, and retired from the University in 1996.

Among her many current commitments, she is chair of the Centre County Community Foundation where she is leading the Centre County Early Childhood Education/School Readiness Initiative. She is a six-year member of the United Way of Pennsylvania Board of Directors, and an 11-year member of the Centre County United Way, where as board chair she concentrated her efforts on reorganization and breathed new life into the organization.

She is a volunteer fund-raiser for the College of Health and Human Development and Women in Philanthropy for the University's Grand Destiny seven-year capital campaign. Starling also chairs several Downtown State College Partnership initia-

tives and is the State College Borough coordinator for volunteers to weed public flower gardens.

Starling has been involved in a wide array of town-gown activities, including the 2000 National Governor's Association summer meeting, the Centre County Women's Resource Center Capital Campaign Committee, the Borough of State College Vision and Strategic Plan for Downtown, and as founding chair of the Citizen's Advisory Committee for Private Fund raising for the State College School District.

Since the Renaissance Fund's inception in 1969, more than \$5.3 million in private contributions has been raised. During the 2000-01 academic year, nearly \$500,000 in scholarships was awarded to 515 Renaissance scholars.

For Renaissance Dinner reservations, or to make a contribution to the Renaissance Fund, call Holly Robertson in the Office of Annual Giving at (814) 863-2052.

Dutton

Continued from page 1

college's reputation and national visibility, increased interaction with other disciplines and significantly expanded its outreach and public service."

Executive Vice President and Provost Rodney Erickson noted, "Dean Dutton has been a champion for academic excellence throughout his distinguished career at Penn State. His strong leadership has positioned the college for even greater achievement in the future."

During Dutton's 16-year tenure, EMS research expenditures have more than doubled, and EMS programs have been recognized in rankings of the National Research Council as among the top in the United States. He directed substantial reorganization of EMS academic departments and established a number of research units that have had notable success in the study of the environment, energy and materials. More than two-thirds of the present EMS faculty joined the University while he has been dean. Dutton used the strategic planning process effectively to shape new initiatives for the college and expanded the advisory role of the staff in college affairs.

Beginning in the late 1980s, he directed a significant effort that led from a major curriculum review to the establishment of an undergraduate student center, a pioneering writing program with an endowed writing tutor, the addition of a mathematics tutor and creation of the Center for Advanced Undergraduate Study and Experience (CAUSE). Under the auspices of CAUSE, faculty members receive support for curriculum innovation and a college-wide undergraduate program incorporates fieldwork and in-depth learning in the study of issues relevant to today's world.

Two new minors in global business strategies and in information science and technology have been created in response to alumni recommendations to give EMS graduates enhanced opportunity in both the private and public sector.

Dutton was instrumental in the design of a First Year Seminar that introduces first-year students to EMS disciplines, critical thinking and communications skills, before the adoption of similar courses throughout Penn State. He has been an enthusiastic instructor as well, annually teaching a regular student section throughout the fall semester.

He established GEMS — Graduates of EMS — the college alumni society, and other alumni relations initiatives that culminated in the college centennial in 1996. As part of the Grand Destiny campaign, the college already has raised nearly twice its original goal of \$27 million for the campaign under Dutton's guidance.

Dutton has served on numerous University committees and projects. In 2000-2001, he was chair of the Council of Academic Deans.

A recognized leader in the atmospheric sciences and national science policy, he chaired the National Academy of Sciences (NAS) board that prepared a vision and strategic plan for The Atmospheric Sciences Entering the Twenty-first Century. He currently chairs an NAS committee to recommend federal research needed for aviation to meet environmental constraints. For many years, he served as president and then chairman of the University Corporation for Atmospheric Research Foundation.

Dutton serves as a trustee of the Centre Community Hospital and his wife, Elizabeth, is a longtime member of the State College Area School Board. They will remain in the Centre Region, and Dutton plans to pursue opportunities in the private sector related to the management of weather and climate risk in a variety of industries.

OBITUARY

Michael D. Kondash, senior manager of catering and special events for Hospitality Services at The Nittany Lion Inn and the Penn State Conference Center Hotel, died Wednesday, Aug. 15. He was 47. Kondash received a bachelor's degree in social welfare from Penn State.

Before coming to Penn State, Kondash was a manager at Arby's Restaurant and at the Scanlon.

He was the former owner and operator of the Tiffany Deli in the Nittany Mall, Tiffany Catering and the Tiffany Grinder in Tofrees, all in State College.



Lectures

New format in place for VOICE Box series

The VOICE Box seminars are taking on a new format this semester to provide faculty with pragmatic working sessions to enrich their courses. As a part of this new workshop format, the seminars will expand to a two-hour format and include breakfast or lunch.

Developed by a team including Tom Litzinger, director of the Leonhard Center for the Enhancement of Engineering Education; John Wise, director of the Engineering Instructional Services; and Renata Engel, director, and Jill Lane, program manager of instructional design, both of the Schreyer Institute for Innovation and Learning, the workshops will explore learning styles and course redesign.

From 8 to 10 a.m. Sept. 18, Tom Litzinger will lead "Learning and Teaching Styles: Are conflicts reducing your teaching effectiveness?" Participants will explore different types of learning styles and how they affect learning and teaching.

From 11:30 a.m. to 1:30 p.m. Oct. 23, John Wise will lead "Re-design your course for maximum effectiveness!" This workshop will focus on methods to design a course from writing learning objectives to linking those objectives to assessment tools.

Both sessions will meet in 129AB HUB-Robeson Center on the University Park campus. To register, e-mail Stephanie Bumgardner at svs8@psu.edu or call (814) 865-8681.

VOICE (Variations of Innovative Changes in Education) Box is sponsored by the Schreyer Institute for Innovation in Learning (<http://www.inov8.psu.edu>), the Leonhard Center for the Advancement of Engineering Education (<http://www.eec.psu.edu/le/>) and the Teaching and Learning Consortium (<http://www.psu.edu/dept/le/>). For more information or to be added to the VOICE Box e-mail list, e-mail svs8@psu.edu.

STS lectures tackle contemporary issues

The following lectures will be presented by the Science, Technology and Society Program. Lectures will focus on contemporary issues in science and technology studies, and will be held at 4 p.m. in various locations on the University Park campus. The schedule follows:

■ Sept. 19, 158 Willard: Jeanne Kisacky, independent architecture historian, on "Walls of Light and Air: Ventilation, Health and 19th-Century Hospital Architecture";

■ Oct. 3, 115 Electrical Engineering West: Sal Restivo, professor of sociology and science studies and professor of information technology, Department of Science and Technology Studies, Rensselaer, on "The Rejection of Transcendence: Science, Religion and the Existential Terrors of Sociology";

■ Oct. 17, 102 Leonhard: Saul Halfon, assistant professor of science and tech-

nology studies, Virginia Tech, on "Bringing Socio-Technical Practice into International Relations: The Case of Population Policy";

■ Nov. 7, 158 Willard: Jennifer Croissant, associate professor of culture, science, technology and society, CSTS/MSE University of Arizona, on "Technology Standards in K-12 Education: Assumptions and Ideologies for Living in a Technological Society";

■ Nov. 28, 111 Wartik: Alondra Nelson, New York University American Studies Program and Ann Plato Fellow in American Studies, Trinity College, on "Spin Doctors: The Black Panther Party and Sickle Cell Anemia"; and

■ Dec. 5, 162 Willard: Romulo Lins, associate professor of mathematics education, UNESP, Rio Clara Brazil, on "Meaning Production as a Strategy for Cognitive Survival."

Discussion set on learning teams, assessment

The Group Processes, Assessment and Evaluation Innovation Community will meet from noon to 1 p.m. Tuesday, Sept. 18, in 304 Rider II on the University Park campus.

Faculty and staff interested in learning, group processes and evaluation may attend this discussion group.

For the first half hour, William Harkness, professor of statistics, will describe some of his experiences using a version of Readiness Assessment Tests with

group work in large courses. A conversation of the "how-to's" of group work will follow.

To attend, e-mail Maja Aleksic at maz146@psu.edu or call (814) 865-8681.

The Schreyer Institute for Innovation in Learning sponsors this and other Innovation Communities.

For more information about the Schreyer Institute and its initiatives, check the Web at <http://www.inov8.psu.edu>.



Photo: John Beale

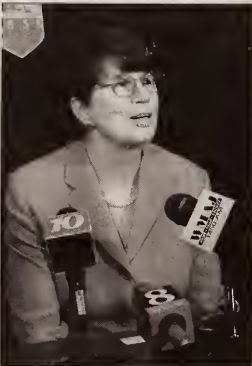


Photo: Greg Grieco

Former Attorney General Janet Reno, who recently announced she will run for governor of Florida, was greeted by student DeAnn Snider as Reno arrived to speak at Eisenhower Auditorium on the University Park campus Sept. 5, above. Reno was visiting as part of the University's Distinguished Speaker series. Saying that Penn State "represents what higher education is all about," Reno donated the net proceeds of her \$30,000 honorarium for the evening's speech to a University scholarship fund. The next Distinguished Speakers Series event will be Ben Stein at 8 p.m. Monday, Oct. 15. Stein, host of the Emmy award-winning Comedy Central quiz show, "Win Ben Stein's Money," is a former speech writer and lawyer for Presidents Richard Nixon and Gerald Ford.

Religious, philosophical forum back at Schuylkill

The Religious and Philosophical Forum on the Penn State Schuylkill campus begins its 2001-2002 series Sept. 21 with a focus on Mahatma Gandhi.

The noon program, featuring Shal Sinha as Gandhi is titled "Mahatma Gandhi on Leadership" and will be conducted in the Morgan Auditorium.

The remainder of the lectures in the series, all at noon, will be in the R. Michael Fryer Conference Center on campus. The presentations are free to the public. For information, call Donald C. Lindenmuth at (570) 385-6065.

The remainder of the forum schedule follows:

■ Oct. 26: "Experiencing the Extraordinary in the Ordinary," with the Rev. Wanda Cramer, minister of spiritual nurture of the

Pennsylvania Southeast Conference, United Church of Christ;

■ Nov. 30: "Jewish Religion and Peoplehood in the 21st Century," with Rabbi Ben Richman, teacher, Pottsville Synagogue;

■ Feb. 22: "Science and Christianity: Can They Live Together?" featuring Mary J. Bojan, research associate in the Department of Chemistry, University Park;

■ March 22: "Art and Philosophy: Friends or Foes?" with Benjamin Pleisic, artist and philosopher; and

■ April 26: "Where There is Darkness, There is Light: Our Quest for Knowledge," with Essie Karnes, vice president of the Religious and Philosophical Forum.



More Lectures

Greenpeace co-founder to visit

Patrick Moore, co-founder of Greenpeace and now a prominent proponent of timber management, will speak on "Environmentalism in the 21st Century" at 7 p.m. Sept. 19 in the HUB-Robeson Center Auditorium on the University Park campus. Moore is the School of Forest Resources Distinguished Lecturer for 2001.

Moore's presentation lays out the history of the environ-

mental movement, provides a critique of its present policies and presents a vision for the future. He demonstrates that while many of the positions taken by mainstream environmental groups are sound, there is a growing extremist element that has abandoned science and logic in favor of sensationalism and fund raising.

The presentation is free to the public.



Patrick Moore

Teaching With Technology series is offered

Faculty and staff interested in instructional development and technology in the classroom should plan to attend this fall's free Teaching With Technology luncheon seminar series, sponsored by the Center for Academic Computing and Center for Education Technology Services. Three sessions will be presented, each from noon to 1 p.m. in 141 Computer Building on the University Park campus.

Topics for the series include:

■ Sept. 28: "Labview Virtual Instruments and Flash Movies: General Science/Engineering Type Applications of These Tools," presented by Ian R. Harrison, professor of polymer science and engineering;

■ Oct. 26: "Digital Media at Penn State," presented by the Penn State Digital Media Group; and

■ Nov. 30: "ANGEL (A New Global Environment for Learning)," presented by the Center for Education Technology Services.

The format consists of a half-hour presentation followed by question-and-answer sessions. Attendees will learn how faculty members are using digital media in their courses, connect with others interested in using technology in teaching and be made aware of potential resources available.

Participants should feel free to bring lunch; beverages will be provided.

Register online by visiting <http://cac.psu.edu/training/>, click on "Register for Seminars" and select "Technology in the Classroom" and "Lecture." A Penn State Access Account userid is required for registration.

For more information, e-mail fmc@psu.edu.

Art curator to give inaugural talk in series

Darielle Mason, Stella Kramrisch curator of Indian and Himalayan art at the Philadelphia Museum of Art, will give the inaugural lecture in the Mary F. Linda Memorial Lecture Series at 2 p.m. Oct. 21 at the Palmer Museum of Art on the University Park campus.

Mason's lecture, "Reintegrating the Cosmos: The Temples of India and their Fragments," is related to the exhibition "Devo-

tion and Diversity: South Asian Sculpture from the Philadelphia Museum of Art," which opens Oct. 21 at the Palmer Museum.

Mary Linda was a noted scholar of South Asian art and architecture and the assistant director of the Palmer Museum from 1992 to 1997.

For information, contact Robin Seymour at (814) 865-7672 or e-mail rqz1@psu.edu.

Genetic Engineering Marker Lectures are Sept. 20-21 at University Park

Alexander Varshavsky, Smits professor of cell biology at the California Institute of Technology, will give the Marker Lectures in Genetic Engineering for 2001-02 on Sept. 20 and 21 on the University Park campus. The two-lecture series, titled "How and Why Cells Destroy Their Proteins," is sponsored by the Eberly College of Science and is free to the public.



Alexander Varshavsky

The lecture schedule includes "The N-end Rule Pathway and Its Functions in Chromosome Segregation, Peptide Import, Meiosis and Angiogenesis" at 7:30 p.m. Thursday, Sept. 20, in 101 Thomas Building, and "Understanding the Ubiquitin-Proteasome System" at 11:15 a.m. Friday, Sept. 21, in 101 Thomas Building.

Varshavsky's research focuses on the ubiquitin system, which mediates and regulates the degradation of proteins with-in cells.

His studies in the 1980s, when he was working at the Massachusetts Institute of Technology with A. Herskowitz of Technion in Israel, created the modern era of ubiquitin research.

The Marker Lectures were established in 1984 through a gift from Russell Earl Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door on the current era of hormone therapies, including the birth-control pill.

Conference focus is the future of outreach

Penn State, The Ohio State University and the University of Wisconsin-Extension are holding a conference on "Outreach Scholarship 2001, Learning, Discovery and Engagement," Oct. 14 through 16 at The Penn State Conference Center Hotel on the University Park campus. The event is designed to create a discussion of the issues affecting the future of outreach as well as practical tools for implementing change.

The conference will offer university and college faculty, administrators and community leaders an opportunity to share strate-

gies on how to build creative, effective partnerships and sustainable outreach and engagement initiatives.

The conference is targeted to college and university leaders and faculty interested in meeting with those outside the academic community and with cooperative extension, continuing education, distance education, technology transfer, governmental affairs, university relations and public broadcasting.

For more information, call Chris Dufour at (814) 863-5100 or e-mail conferencelol@outreach.psu.edu.

Children's influence on family is symposium topic

The University will hold its annual National Symposium on the Family Dec. 6-7 at The Nittany Lion Inn on the University Park campus.

The symposium is titled "Children's Influence on Family Dynamics: The Neglected Side of Family Relationships." Organizing the event are Alan Booth, professor of sociology and Ann Crouter, professor of human development.

Lead papers will be presented by David Reiss of George Washington University,

Susan Crockenberg of University of Vermont, Hakan Stattin of Örebro University, Sweden, and Eleanor Maccoby of Stanford University.

To obtain a brochure and registration materials, call, write or e-mail Kim Zimmerman, Population Research Institute, 601 Oswald Tower, University Park, Pa. 16802-6211.

The phone number is (814) 865-0486; the fax is (814) 863-8342 and the e-mail address is kzimmer@pop.psu.edu.

BOOK SHELF

Beverly Peterson, associate professor of English, American studies and women's studies at Penn State Fayette, *Screams from the Courthouse Basement*, published by P.S. Campus Publishing Co.

Peterson collaborated with campus advisory board member **Wolfgang Swimmer** to write this novel based on the Monaghan Affair, one of Pennsylvania's most infamous criminal cases. Twelve prominent

citizens—including local, county and state law enforcement officials, physicians and undertakers—were indicted for the brutal murder of a local hotel owner regularly suspected of questionable activity. The story reads almost as a docu-drama, as it profiles the individual characters, relates the judicial results, revisits three Supreme Court of Pennsylvania precedents and discusses the political impact

this affair had on the local population and on Pennsylvania history.

Marshall W. Raffel, professor emeritus of health policy and administration. *The U.S. Health System—Origins and Functions*, fifth edition, published by Delmar.

Joining Raffel and **Norma K. Raffel** for the fifth edition is **Camille K. Barsukiewicz**, a

doctoral graduate from the Department of Health Policy and Administration who is now on the faculty at the University of Memphis. The book is used at universities throughout the country as an introductory text for students who plan careers in health administration as well as for students who seek an understanding of how health care is provided and financed in the United States.



Arts & Entertainment

Dylan at The Jordan Center

Bob Dylan's fall concert tour will stop at University Park. Dylan will perform at 7:30 p.m. Sunday, Nov. 11, at The Bryce Jordan Center. The tour will promote Dylan's new CD, "Love And Theft," the 43rd album of his long career.

* Reserved and general admission (main floor only) tickets are at \$29.50, and will go on sale at 10 a.m. Saturday, Sept. 15.

Tickets will be available at The Bryce Jordan Ticket Center, Eisenhower Auditorium, select Uni-Mart's, Commonwealth campus ticket outlets, by phone at (814) 865-5555 and (800) 863-3336, or online at <http://www.bjc.psu.edu/>

Recital

Daryl Durran, associate professor of music, will present a free recital of solo and chamber works for bassoon at 8 p.m. Monday, Sept. 17, in Esber Recital Hall, Music Building I, on the University Park campus. Performing with Durran will be School of Music faculty members Timothy Shafer, piano; Robert Nairn, double bass; Jim Lyon, violin; Timothy Deighton, viola; Kim Cook, cello; Ann Marie Rigler, harpsichord; Eleanor Duncan Armstrong, flute; and graduate student Peter Lekk, viola.

Exhibit at Harrisburg

A lifetime of memories of the Susquehanna River and decades of work are combined in an art exhibit currently on display in the Gallery Lounge at Penn State Harrisburg.

Lancaster County resident John L. Lehman's exhibit, "Susquehanna and Vicinity," is open to the public through Oct. 12 with an artist's reception from 5 to 7 p.m. Sept. 19.

One-man show

Performer Robert Post will deliver a diverse cast of characters — including an overzealous ballerina, a wacky chef, an accountant in overdrive, a corpse and four murder suspects — to Penn State DuBois in "The Postman Delivers." He will perform at 7 p.m. Thursday, Sept. 27, in the Hiller Building Auditorium. The show is free to the public.

Post, an entire theatre company himself, specializes in rapid-fire character changes — even different roles for different body parts.

His performance is presented by the Penn State DuBois Cultural and Performing Arts Series. For more information, call Rebecca Pennington at (814) 375-4766 or (800) 346-ROAR.



Emily Lynne Miller, left, plays Daisy Hilton and Megan Arnold, right, plays Violet Hilton in "Side Show." This musical about two sisters, who being Siamese twins, are literally joined at the hip, is inspired by the real lives of performers Daisy and Violet Hilton. The performance takes place Sept. 21 through 29 in the Pavilion Theatre on the University Park campus. For tickets, call (814) 863-0255.

Photo: Greg Grieco

Family Day at the Palmer

The Palmer Museum of Art on the University Park campus will hold Family Day from 11 a.m. to 2 p.m. Saturday, Oct. 13.

Parents and children ages 5-12 may visit three special exhibitions: "Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties"; "The Poetry of Line: Drawings by Henry Pearson"; and "American Pastorate: Drawings by John F. Kensett" now on view at the museum. In addition, they may take part in creative activities in the museum lobby.

For more information, call (814) 865-7672.

For a complete listing of fall exhibitions and events at the Palmer Museum, check the Web at <http://www.psu.edu/dept/palmermuseum/>.

HUB-Robeson exhibit

"You Are Here," collage and quilts by Robert Plackey and Debra Plackey, will be on display through Oct. 24 in the HUB Gallery on the University Park campus. A reception will be open to the public between 6 and 8 p.m. Sept. 20.

For more information, check the Web at <http://www.sa.psu.edu/galleries>.

Sculpture show planned

Eighteen South Asian sculptures from the Philadelphia Museum of Art, representing nearly 2,000 years of India's stone and metal sculptural traditions, will be exhibited beginning Oct. 21 at the Palmer Museum of Art on the University Park campus.

The exhibit, titled "Devotion and Diversity: South Asian Sculpture from the Philadelphia Museum of Art," was facilitated through a recent grant from the

Museum Loan Network, which is administered by the Massachusetts Institute of Technology's Office of the Arts and funded by the John S. and James L. Knight Foundation and The Pew Charitable Trusts.

For information, call Robin Seymour at (814)-865-7672 or e-mail qzq1@psu.edu.

Holiday show

The national tour of Charles Dickens classic, "A Christmas Carol," will make its first return in five years to the Community Arts Center at Penn College at 7:30 p.m. Saturday, Nov. 24.

Tickets, priced at \$20 and \$27.50, with a \$4 discount for children 16 and under, go on sale at 10 a.m. Friday, Oct. 5. For more information, call the Community Arts Center box office at (570) 326-2424 or (800) 432-9382, or visit online at <http://www.pct.edu/commarts/liveshows.htm>.



University Park Calendar

September 14 - September 23

SPECIAL EVENTS

Friday, September 14

"Henry Pearson: The Poetry of Line," gallery talk by Patrick McGrady, noon, Christoffers Lobby, Palmer Museum of Art.

Friday, September 21

"A Song and a Prayer: Looking at 'Differences Preserved,'" gallery talk by Joyce Robinson, noon, Christoffers Lobby, Palmer Museum of Art.

MUSIC

Saturday, September 15

Gregory Hines, song-and-dance show, 7:45 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Monday, September 17

Caryl Ouran, bassoon, 8 p.m., Recital Hall, Music I.

Friday, September 21

"Side Show," musical, 8 p.m. through Sept. 29, 2 p.m. Sept. 29, Pavilion Theatre. For tickets, call (814) 863-0255.

SEMINARS

Friday, September 14

Manish Gupta on "Optimizing Java Programs: Challenges and Opportunities," 4 p.m., 302 Pond Laboratory.

Monday, September 17

Paul Giles on "Transnationalism in Practice," 12:40 p.m., 102 Kern.

Paul Giles on "National Identity and Foreign Agency: Lolita's America," 2:30 to 5:30 p.m., 306 Burrows.

Donald Marolf on "Farewell to Floating Boxes," 3:30 p.m., 318 Osmond Laboratory.

Tuesday, September 18

Yuri Kovchegov on "QCD Instantons and the Soft Pomeron," 3:30 p.m., 318 Osmond Laboratory.

John Kirtley on "Looking for Visions: A Test of 'Fractionalization' in the Cuprate High-Tc Superconductors," 3:30 p.m., 339 Osvey Laboratory.

Wednesday, September 19

K. Warner Schale on "Longitudinal Studies and the Early Prediction of Risk for Dementia," noon to 1 p.m., 108 Warkit Laboratory.

Stephen Fonash on "The PSU Nanofabrication Facility: A National Facility for Micro- and Nanofabrication," 3:35 to 4:25 p.m., 115 Earth and Engineering Sciences.

Jeanne Kisacky on "Walls of Light and Air: Ventilation, Health and 19th-Century Hospital Architecture," 4 p.m., 158 Willard.

Patrick Moore on "Environmentalism in the 21st Century," 7 p.m., HUB/Robeson Center Auditorium.

Thursday, September 20

Stephen Bennis on "Mechanical Behavior of Laminated Safety Glass," 11:15 a.m., 22 Oelke.

John Tully on "Rates and Pathways of Vibrational Energy Flow at Surfaces," 12:15 p.m., S5 Osmond Laboratory.

Gary Gray, Lloyd Hück, George Middlemas and Joseph Strazza on "Facts and Fortunes: How the Information Revolution is Transforming Business," 3:30 to 5 p.m., 101 Pattee Library.

Omitri Diakonov on "How Nuclear Gets Its Mass," 4 p.m., 117 Osmond Laboratory.

Alexander Varshavsky on "The N-end Rule Pathway and Its Function in Chromosome Segregation, Peptide Import, Meiosis and Angiogenesis," 7:30 p.m., 101 Thomas.

Friday, September 21

Alexander Varshavsky on "Understanding the Ubiquitin-Proteasome System," 11:15 a.m., 101 Thomas.

John Ruhl on "Cosmology from the Microwave Background: Boomerang and Beyond," 12:15 p.m., 101 Osmond Laboratory.

EXHIBITS

HUB-Robeson Center

"Images on Paper," water collages by Richard Hamwil, through Oct. 25.



Rathena Meas, a work-study student in marketing and international business, helps unpack the exhibit "Heartdreams and Legends: Story of Two Peoples." This mixed-media exhibit will be on display in the HUB-Robeson Gallery on the University Park campus from Sept. 28 through Dec. 4. For more information, check the Web at <http://www.sa.psu.edu/galleries>.

Photo: Greg Grieco

"You Are Here," collage and quilts by Robert Plackly and Oebra

Plackly, through Oct. 24.

"Seeing the World Through Women's Eyes," black and white photography by Kathleen Karp, through Oct. 15.

Kern exhibit area

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," photography by Robin Hoecker, through Oct. 5.

Palmer Museum of Art

"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," through Oct. 16.

"The Poetry of Line: Drawings by Henry Pearson," through Nov. 18.

"American Pastoral: Drawings by John F. Kensett," American Works on Paper Gallery, Sept. 18 through Oct. 21.

Pattee and Pattee Library exhibit areas

"To Make You Feel Proud: Gender and Sexuality Studies at Penn State," through Oct. 31.

"Beauty Within the War-Torn Shadows: Visual Arts and Music of the Civil War Era," through Oct. 28.

"Riding the Keystone Rails — Selections from the Railroad Collections of the Special Collections Library," through Oct. 20.

Zoller Gallery

Exhibit of Work from School of Visual Arts Faculty, through Sept. 21.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



News in Brief

Volunteer opportunity

The Personal Relationships lab on the University Park campus needs people ages 25 to 45 to participate in a research study of relationships of grown children and their parents. The study consists of a one-hour phone interview at a time of convenience for the participant. Questions cover the close and problematic aspects of grown children's ties to their mothers and fathers. Participants will be paid for their time.

For information or to participate, send an e-mail message to Karen Fingermaier at familyvh@psu.edu or leave a phone message at the Personal Relationships lab at (814) 863-1834.

Nutrition study

The Department of Nutrition is recruiting subjects for a study to investigate the effects of "good fats" such as sunflower oil on blood cholesterol levels. Researchers are recruiting non-smoking men and women between the ages of 24 and 67 who are not taking any cholesterol-lowering or anti-inflammatory medications and who do not have diabetes, uncontrolled high blood pressure or other serious health conditions.

All foods will be provided during the study along with lab results and monetary compensation. There are study groups starting in October. For more information, call (814) 863-3168.

CLGBT events

To celebrate its 10th anniversary, The Commission on Lesbian, Gay, Bisexual and Transgender Equity is holding two events: a banquet on Oct. 12 and a conference, "To Make You Feel Proud: Gender and Sexuality Studies at Penn State," on Oct. 13. Both events are open to all members of the University community.

For registration information, call the commission office at (814) 863-7696. Deadline for registration is Sept. 21.



Students at the HUB-Robeson Center on the University Park campus take a moment to check out one of two Infotainment Centers. By stepping on a designated spot on the floor, users can interact with the unit, which features both games and campus information.

Photo: Greg Gineco

Lunch invitation

"Take Your Professor to Lunch" will return to the University Park campus Sept. 24 to Oct. 12, offering faculty and students in large classes an opportunity to spend time learning more about each other outside the classroom.

Cosponsored by the Center for Excellence in Learning and Teaching and the USG Academic Assembly since 1997, the free lunch program is designed to help break down the barriers of anonymity in classes where remembering names is a challenge and student invisibility is an obstacle to learning.

Although only those in classes of 60 or more are eligible to participate, sponsors

hope the program will serve as a catalyst for more friendly and frequent communication among all students and faculty. Meal cards are provided for eligible students who make arrangements with their instructor and four to eight classmates to have lunch together on campus. Web registration is required.

Details and complete registration information are found at <http://www.psu.edu/celt/largeclass/take-a-prof.html>.

Reminder

The closing date for receipt of Evan Pugh professorship nominating materials is Monday, Oct. 22. All nominations must be submitted in accordance with Policy HR87

and established guidelines and should be sent to the dean of the academic college in which the nominee is appointed.

Current nomination guidelines may be obtained by calling (814) 863-9580, by e-mail to vx22@psu.edu, or by stopping in 304 Old Main, University Park.

Library database changes

The University Libraries' UnCover database, an index of articles from thousands of journals deliverable to home or office, recently merged with the United Kingdom-based company Ingenta to become the Ingenta Library Gateway. Consequently, Ingenta now requires a Penn State Access ID to log on instead of the Social Security number used in UnCover.

Ingenta's article delivery is available free of charge to current faculty, staff and students who are registered Libraries patrons. All other Libraries patrons may search Ingenta but must pay for ordered articles.

The database can be found at <http://www.gateway.ingenta.com/psu> or through the Fast Track in LIAS (the Library Information Access System) under "UnCover (Ingenta)."

For information, call (814) 863-1367.

GURU access

GURU resources now can be accessed by University employees from anywhere in the world. Certain information and resources on GURU are for Penn State use only and are not available to the general public. Previously, employees had to use computers within the Penn State network in order to have access to those resources.

Now, anyone with an access account user ID and password can use GURU from home, while traveling, or from remote Penn State locations that do not have a direct Penn State network connection.

GURU automatically detects if an individual is connecting from within or outside the network and will prompt users for an access user ID and password if they are accessing GURU from outside the network.

Interdisciplinary team wins \$1.2 million grant

A team of faculty members from the College of Engineering and the Eberly College of Science have won a \$1.2 million grant from the National Science Foundation (NSF).

The NSF Nanotechnology Interdisciplinary Research Teams (NIRT) proposal is titled "Control of Nanostructures via Metal-Carbon Interactions over Multiple Length Scale Via Metal and Metal Carbide Nanojunctions and Nanowires."

The four-year grant will look at new nanostructures of carbon and new processes that lead to the creation of these structures.

Henry Foley, holder of the Robb Chair and head of the Department of Chemical Engineering, said the possible applications for carbon nanostructures range from chemicals to electronics to mechanical devices.

For example, these structures might be used to separate amino acids or protein molecules, he said.

In addition to Foley, the team includes Peter Eklund, professor of physics; M. Albert Vannice, M.R. Fenske professor of chemical engineering; Vincent Crespi, Downs-brown professor of physics; and A. Welford Castleman Jr., Evan Pugh professor of chemistry and physics and Eberly Distinguished Chair in science.

Welcome back!

Summer is over, fall semester has begun. Keep on top of the latest University news through the **Employee Newswire**.

It's easy. Just go to the Web at

<http://www.psu.edu/>

and click on the link under "Announcements" to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information.



Award

Augustson receives national recognition for excellence

EDUCAUSE, a nonprofit association with a mission to advance higher education by promoting the intelligent use of information technology, will honor J. Gary Augustson with its 2001 Excellence in Leadership Award. The association's highest individual award, it recognizes extraordinary effectiveness, influence, statesmanship and lifetime achievement, on both individual campuses and the wider higher education community.

For more than 20 years, Augustson has kept Penn State a national leader in applying information technology to the challenges faced by higher education. As chief information officer for the University, Augustson has kept his focus on facilitating and creating learning communities and supporting top-quality research. This has required construction of a flexible information technology infrastructure that embodies "best in class" applications and management techniques that he has continued to develop and adapt throughout his professional career.

Augustson is nationally respected for his early advocacy and leadership of higher education's national networking efforts, and for the key role he has played in shaping the higher education position on national technology policy issues. According to the award selection committee, he is recognized by his peers as a visionary, a creator and a builder of constituencies to implement a vision.

He chaired the steering committee of Educom's Internet2 project, which led to the creation of the University Corporation for Advanced Internet Development



Gary Augustson

(UCAID). Augustson then served on UCAID's board of directors and was first chair of its Network Policy and Planning Advisory Committee. At the state level, he was instrumental in establishing PREPnet, the Pennsylvania Research and Economic Partnership Network, where he was an advocate for outreach, quality of service and equity among the various constituencies. A key behind-the-scenes player in the founding and early success of the Coalition for Networked Information, he also was instrumental in ensuring the implementation of a number of early networked information projects. In addition, Augustson was an early advocate of involving the presidential associations (particularly NASULGC) more closely with information technology policy and politics, and has been effective in obtaining corporate support for new campus initiatives and in balancing the interests of the corporate and educational worlds.

Augustson will be recognized in Indianapolis on at the upcoming EDUCAUSE annual conference, a forum for more than 5,000 professionals involved in the management of information resources in higher education and their corporate partners.

As part of this award, EDUCAUSE will make a \$5,000 contribution in Augustson's name to the Renaissance Fund, an endowed fund providing support for the brightest Penn State students with the greatest financial need.

For more information, check the Web at <http://www.educause.edu/awards/>.

PENN STATERS

Louis F. Geschwindner Jr., professor of architectural engineering, has been named Tau Beta Pi's 2001 National Outstanding Adviser. The award by the engineering honor society recognizes faculty who make important contributions to students and collegiate chapters. As a liaison between students and administrators, he was instrumental in getting a chapter e-mail address, procuring a computer and ultimately securing an office in the suite for engineering student organizations.

The Northern Finance Association (NFA) has selected a study by **Tim Simin**, assistant professor of finance in The Smear College of Business Administration, as the "Best Investment Paper." He will be honored for the paper, "The Predictive Performance of Asset Pricing Models," during the upcoming NFA 2001 conference at St. Mary's University in Halifax, Nova Scotia. The NFA is a volunteer organization managed by Canadian finance academics.

Nominations sought for faculty and staff achievement awards

Nominations for the 2002 Faculty and Staff Achievement Awards are being sought from University and local community organizations and individuals. Nominators may obtain copies of a standardized format for submitting nominations by visiting the Office of Human Resources' Web site at <http://www.ohr.psu.edu>, under the document section. The nomination form also is available by contacting the Office of Human Resources at (814) 863-6188.

The Faculty and Staff Achievement Awards are:

■ **The Barash Award for Human Service.** This award, created in 1975 by the family of the late Sy Barash, carries a stipend of \$1,000. It is awarded to a full-time member of the faculty, staff or student body at University Park who has contributed most, apart from regular duties, to human causes, public service activities and organizations, or the welfare of fellow humans. These human service activities must have been performed in University Park, the Borough of State College, or College, Patton, Harris, or Ferguson townships.

■ **The McKay Donkin Award.** This award was established in 1969 in honor of the late McKay Donkin, who served as vice president for finance and treasurer of the University from 1957 to 1968. The award, which consists of a \$500 stipend, is presented to a full-time faculty or staff member, or retiree, who has contributed most to the "economic, physical, mental or social welfare of the faculty" of the University. The contributions of the nominee should be for duties for services which are above and beyond his or her regularly assigned duties.

■ **The Administrative Excellence Award.** This award, which carries a stipend of \$1,000, is made to a member of the staff of the University whose performance methods and achievements exemplify administrative excellence. The award is funded by a gift from Kenneth E. and Mary K. Warwick. Important criteria considered in the evaluation of nominees include total experience in an administrative position, accumulative levels of responsibility and authority, years of service at the University and in present position, and impact on own organization and on the University in general.

■ **The Staff Excellence Award.** This award, established in 1993, carries a stipend of \$500. The award is made annually to a member of the staff of the University who has demonstrated and practiced the philosophy of continuous quality improvement, team spirit and managerial excellence, and provided leadership in establishing a quality service orientation of

the performance of assigned duties. To be eligible for the award, full-time staff must have a least five years of University service.

■ **The Support Staff Award.** Established in 1997, this award carries a stipend of \$1,000. It recognizes the overall high-quality performance of a non-exempt member of the support staff in fulfilling the mission of the University and of his or her college or administrative unit. The award will be given to a full-time, non-exempt member of the support staff in recognition of dedicated focus to customer service, commitment to quality improvement, outstanding skills and abilities, teamwork and professionalism. To be eligible for this award, a non-exempt staff member must have at least five years of active University service.

■ **The Dr. James Robinson Equal Opportunity Award.** The award, sponsored by the Penn State Alumni Association and given in honor of James Robinson, 1949, a devoted alumnus and former Alumni Council member, is designed to recognize a University faculty or staff member who promotes the concept of equal opportunity through affirmative action and/or contributes to enhancing the educational environment of the University through improving cross-cultural understanding. The award, consisting of a \$1,500 stipend, is given in recognition of meeting one or more of the following criteria: demonstrated commitment to the spirit of equal opportunity through affirmative action; demonstrated leadership in the elimination of discrimination through encouragement of understanding between persons of different races, sexes, age groups, sexual orientation, ethnicity or religious heritage; and demonstrated commitment to meeting the special needs of students, faculty or staff who are members of traditionally underrepresented groups. To be eligible for this award, full-time faculty and staff must have at least two years of active University service.

Billie S. Willits, assistant vice president for Human Resources, is chairing a general committee to solicit nominations for the 2002 awards. Ronald R. Rohde, human resources officer, Office of Human Resources, and Carol Griffin, administrative assistant, Office of Human Resources, are providing staff support to the committee. Six subcommittees will screen nominations and develop recommendations for the respective awards.

Nominations should be sent to Billie S. Willits, Box 6, Rider Building, or faxed to (814) 863-3461, by Friday, Dec. 3. Supporting information which accompanies nominations should be as brief as possible. Early submission of nomination forms is encouraged.

Artist at work



Kevin Stahl, an art student at University Park, paints the paws outside the Palmer Museum of Art for his oil painting class.

Photo: Greg Grieco

New protocol helps those assisting victims of violence

Reducing the occurrence of violence against women on campus has been one of the University's top priorities for some time. Now, staff and faculty have a new resource to help them assist a victim of relationship, domestic or sexual violence.

The "Protocol to assist victims of relationship, domestic and sexual violence" was developed by the Coalition to Address Relationship and Sexual Violence. It provides basic information about relationship, domestic and sexual violence. It includes the relevant Pennsylvania crime code definitions and outlines the medical, counseling and administrative services, support systems and options for victims. In addition, the protocol includes a data collection form and information on community resources.

The data collected will be used to assess the prevalence and patterns of relationship and sexual violence in the University community and to target future intervention efforts.

The University has collected data on sexual assault since 1995. The initiative to collect information about relationship and

domestic violence is new. Very few colleges and universities collect this data in a systematic way.

Violence against women on college and university campuses is a widespread problem. More than half of all stalking victims are between 18 and 29 years old, according to the National Violence Against Women Survey sponsored by the National Institute of Justice and the Centers for Disease Control and Prevention.

Results of several studies indicate that among college students the average rate of non-sexual dating violence is 32 percent. Other studies show that sexual assaults, as well as other forms of violence against women, are seriously under-reported on campuses.

The coalition developed the protocol as part of a comprehensive project funded by a \$450,000 grant from the Department of Justice, Violence Against Women Office.

The protocol was sent to more than 800 faculty and staff at all University locations. In addition, it can be found online at <http://www.sa.psu.edu/protocol.htm>.



Appointments

Compliance Office adds 3 new regulatory coordinators

The Office for Regulatory Compliance has added three new compliance coordinators to focus on specific regulations and research areas and to offer faculty members, staff and students better service.

The new compliance coordinators are Karen E. Blair, who covers biomedical research involving human subjects and research involving biohazardous material; Jodi L. Mathieu, who covers research involving vertebrate animals and radioactive materials; and Staci Schreiber, who covers behavioral and social science research involving human subjects.

Blair, who earned master's and doctoral degrees at Penn State from the College of Health and Human Development, works with the Biomedical Institutional Review Board on compliance and regulatory issues and the Biosafety Committee on the handling of biohazardous materials. She also assists faculty members, staff and students to prepare research protocols and conducts workshops and training sessions on human subject compliance. She previously served the University as acting administrative manager of the University Park General Clinical Research Center and clinical research manager for the chemical engineering and bioengineering departments.

Mathieu, who holds a bachelor's degree in lab studies and industrial relations from the University, assists faculty members, staff and students in developing research protocols for the humane care and use of animals and the handling of radioactive isotopes. She

also provides training workshops and seminars on these topics and initiates inquiries into non-compliance concerns.

Mathieu served the compliance office for two years before being promoted into her new post and was instrumental in developing current training programs and animal applications. She also helped to prepare the successful Association for Assessment and Accreditation of Laboratory Animal Care International accreditation application. In her new post she is responsible for procedures and records to maintain that accreditation.

Schreiber holds a bachelor of science degree in human development and family studies and a master's degree in education from the University. She provides support to the Behavioral and Social Science Institutional Review Board on compliance and regulation issues. She also assists behavioral and social science faculty members, staff and students in preparing research protocols and conducts workshops and training sessions related to human subjects compliance. Previously Schreiber was a graduate assistant with Penn State Career Services and a teaching assistant for the Department of Human Development and Family Studies.



Jodi L. Mathieu



Staci Schreiber

Director named for Animal Resource Program

Mary J. Kennett, formerly acting director of the Office of Laboratory Animal Medicine at the University of Missouri, has been appointed director of the Animal Resource Program for research and associate professor in the Department of Veterinary Science.

Kennett will provide leadership and vision planning for the research and instructional animal care and use program. She will oversee the operation of the expanding centralized animal care and use program for six administrative units at University Park and the Commonwealth College which involves nine facilities, a stand-alone, 40,000-square-foot central animal facility and more than 12,000 research animals.

In May 1999, Kennett became the assis-



Mary J. Kennett

tant director of the Office of Laboratory Animal Medicine at the University of Missouri, and served as the acting director from 2000-2001. From 1993 to 1999, Kennett was a molecular biology fellow and completed a laboratory animal medicine residency as well as a doctoral program in pathobiology at the University of Missouri. She has previously held positions as a tenured instructor of biology, relief veterinarian, visiting professor and mixed-practice veterinarian.

Kennett earned a bachelor of science degree in veterinary science in 1981 and a doctoral degree in veterinary medicine in 1984 from Washington University; a master's degree in biology from Walla Walla College in 1987; and a doctoral degree in pathobiology in 1999 from the University of Missouri.



Focus on Research

University stalks hunter survey

By JEFF MULHÖLLEM
College of Agricultural Sciences

Researchers in the College of Agricultural Sciences are conducting several studies with the state's deer hunters to learn what they think about habitat, hunting practices and various management approaches.

In one study, Grace Wang, a human dimensions specialist in the School of Forest Resources, is overseeing a survey of deer hunters' attitudes and opinions about habitat. More than 1,000 randomly selected hunting license buyers around the state were asked where they hunt, why they hunt where they do and what kind of success they have.

The survey was sent out last March. Sixty-one percent of survey recipients have returned questionnaires. Tabulated results will be used by the Pennsylvania Game Commission, which is funding the research. The commission wants to know what hunters think about a variety of issues, Wang said.

"The opinions of deer hunters are important," she said,

"Many hunters told us they don't like to harvest does. That's a problem for the Game Commission because there are so many more does than bucks."

Grace Wang

"because hunting is so big in Pennsylvania, both economically and socially."

Wang says that the questions on the survey came from focus groups primarily made up of hunters. She says her research team learned a lot from meetings with focus group participants.

"Many hunters told us they don't like to harvest does. That's a problem for the Game Commission," she said, "because there are so many more does than bucks."

Approximately 1 million hunting licenses are sold in the state annually. In recent years it has become clear that hunter numbers are decreasing and the deer population is increasing statewide, noted Wang, who collaborates with other University

wildlife and forestry scientists on research for the Game Commission.

In some places in Pennsylvania, the buck-to-doe ratio may be as high as one buck to 10 does, according to Gary San Julian, professor of wildlife resources.

The ratio varies greatly across the state, but wildlife scientists believe it is too high in most regions.

"Normally when deer are born, there are an equal number of males and females," San Julian said. "But we have put those numbers way out of kilter by the way we hunt deer, because every year 80 percent of all bucks are killed. We need to get the buck-to-doe ratio down to a more normal level of 2 or 3-to-1."

The College of Agricultural Sciences will be conducting two more deer-hunt-related surveys in the coming months. One will be a statewide follow-up effort to paint a more detailed picture of hunters' attitudes on issues including doe hunting, antler restrictions, hunting success and hunting area fidelity; the other will help determine why so many property owners post their land against public hunting.

Gary Alt, Game Commission Deer Management Section supervisor, will use the University's research to tailor the state's deer-management plan.

A final report of survey results from the statewide hunter attitude survey will be presented to the Game Commission board at its January meeting.

You can reach Jeff Mulhöllem at jim29@psu.edu.

Photo: Greg Grieco



Protein plays role in how plant cells holds water

Researchers at Penn State and the University of North Carolina at Chapel Hill have discovered that a protein in plant guard cells impacts how well a plant holds water. Eventual application of the researchers' work could help control the amount of water in a plant and lead to more ecologically friendly, effective and efficient means to raise crop plants.

In response to drought, sunlight, and other stimuli, guard cells control the opening and closing of microscopic

stomatal pores on leaves of plants through which the plant gives off water vapor and oxygen to the atmosphere and takes in carbon dioxide for photosynthesis. Guard cells thereby moderate the amount of water and carbon dioxide in the plants. Sarah M. Assmann, professor of biology, and Xi-Qing Wang, a postdoctoral scholar, along with collaborators at the University of North Carolina, discovered that by altering a specific protein in the guard cells those cells had less con-

trol over the amount of water lost by the plants through their stomatal pores.

"The potential agricultural significance is being able to regulate stomatal apertures," Assmann said. "From a farmer's perspective, finding a way to maximize photosynthesis and yield, and a way to minimize irrigation, which can be expensive, would be important."

For more about this story, go to <http://www.science.psu.edu/alert/Assmann6-2001.htm>

New discoveries from Chandra

At a meeting titled "Two Years of Science with Chandra" in Washington, D.C., astronomers using the Chandra X-ray Observatory announced their discovery that multimillion-degree gas radiated as X rays in the Rosette Nebula, a colorful star-forming region, is one of the long-sought sources of energy and elements in the Milky Way. The team, led by Leisa Townsley, senior research associate in astronomy and astrophysics, found the most massive stars there produce winds thousands of times more energetic than previously recognized, which slam into each other, creating violent shocks that infuse the region with 6-million-degree gas. A color photo is available on the Web at <http://www.science.psu.edu/alert/Townsley9-2001.htm>, along with more information about this discovery.

Also at the conference, Eric Feigelson, professor of astronomy and astrophysics at Penn State, and his team reported that exotic isotopes present in the early Solar System — which scientists have long-assumed were sprinkled there by a powerful, nearby star explosion — may have instead been forged locally by our Sun during the colossal solar-flare tantrums of its baby years. The isotopes can form in the X-ray solar flares of young stars in the Orion Nebula, which behave just like our Sun would have at such an early age. The finding, based on observations by the Chandra X-ray Observatory, has broad implications for the formation of our own Solar System.

For the full story, check the Web at <http://www.science.psu.edu/alert/Feigelson9-2001.htm>.

In addition, for the first time, a rapid X-ray flare has been observed from the direction of the supermassive black hole that resides at the center of our galaxy. This violent flare captured by NASA's Chandra X-ray Observatory has given astronomers an unprecedented view of the energetic processes surrounding this supermassive black hole.

A team of scientists led by Frederick K. Baganoff of MIT detected a sudden X-ray flare while observing Sagittarius A*, a source of radio emission believed to be associated with the black hole at the center of our Galaxy.

Gordon Garmire, professor of astronomy and astrophysics, is the principal investigator of Advanced CCD Imaging Spectrometer (ACIS), which was used in these observations.

For the full story, check the Web at <http://www.science.psu.edu/alert/Garmire9-2001.htm>.

The ACIS instrument was developed for NASA by Penn State and MIT under the leadership of Garmire. NASA's Marshall Space Flight Center in Huntsville, Ala., manages the Chandra program, and the Smithsonian's Chandra X-ray Center controls science and flight operations from Cambridge, Mass.

Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

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Chris Koleno, editorial assistant/calendar

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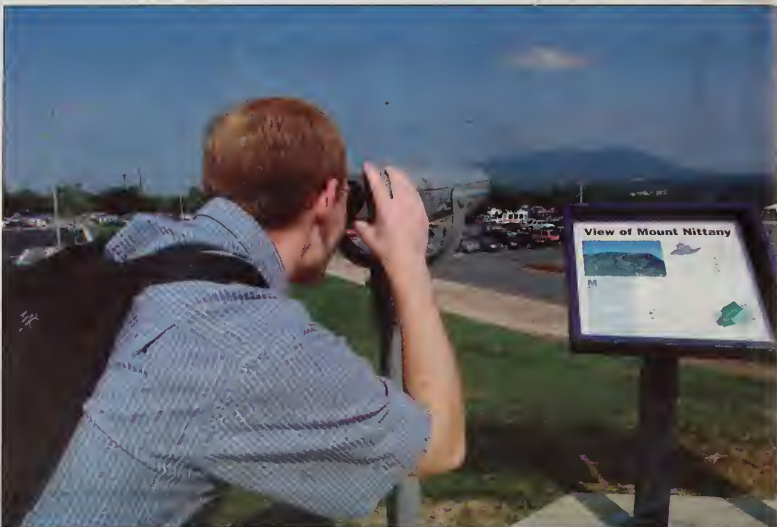
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Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

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Scoping the mountain



Tim Alderton, a senior horticulture student at University Park, takes a minute to view Mount Nittany while returning to the parking lot. Two telescopes were recently installed between The Bryce Jordan Center and Beaver Stadium.

Photo: Greg Grieco

University is conducting two major searches

Dickinson seeks new dean

The University is seeking candidates for the position of dean of The Dickinson School of Law. The dean is the principal academic and chief executive officer of the school and reports directly to the executive vice president and provost. The position requires an individual who can effectively lead and manage a law school in a multi-campus research and land-grant university. He or she is responsible for the quality of academics, strategic planning, budgeting, fund raising, alumni, outreach relations and management of the school's physical plant and staff. Candidates should have significant academic and administrative experience with credentials appropriate for a

tenured professor. Prior experience in academic administration with responsibility for personnel, programs and resources is highly desirable. Salary is commensurate with experience and qualifications.

Send applications or nominations on a diskette or by e-mail to PSUSearch@psu.edu, or by paper copy to the address below.

The search committee will begin to review applications on Oct. 15, and will continue to receive them until the position is filled.

For more information about The Dickinson School of Law, check the Web at <http://www.dsl.psu.edu/> or e-mail PSUSearch@psu.edu.

Erie seeks provost and dean

The University is seeking candidates for the position of provost and dean of Penn State Erie. The provost and dean serves as the chief executive officer and the principal academic leader of the campus college and reports directly to the executive vice president and provost. He or she is responsible for the quality of academic programs in teaching, research and service; strategic planning; budgeting; fund-raising; alumni; outreach relations; and management of the physical plant operation.

The position requires an individual who can lead effectively and manage a campus that is one of 24 locations in a multi-campus research and land-grant university. Candidates should have significant academic and administrative experience with credentials appropriate for a tenured appointment at the rank of professor. The candidate

should have a thorough familiarity with the philosophy and responsibilities of a large, research-oriented institution. Prior experience in academic administration with responsibility for personnel, programs, and/or resources is required. Salary is commensurate with experience and qualifications.

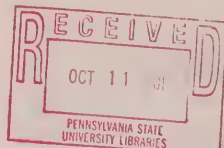
Send nominations, applications and inquiries to the address below. In addition to a paper copy, the search committee would be pleased to receive applications or nominations on a diskette or by e-mail sent to PSUSearch@psu.edu. The search committee will begin to review applications on Oct. 15, and will continue to receive them until the position is filled.

For more information about Penn State Erie, check the Web at <http://www.pserie.psu.edu/> or e-mail PSUSearch@psu.edu.



Intercom

INFORMING THE PENN STATE COMMUNITY



SEPTEMBER 20, 2001

University joins nation in mourning Tens of thousands unite for noon, evening vigils at University Park

BY AMY NEIL
AND ALLISON KESSLER
Public Information

In joining with U.S. President George W. Bush's call for a National Day of Prayer and Remembrance, Penn State offices and classrooms at all campuses were closed during the noon hour and evening candlelight remembrance vigils held Friday, Sept. 14, as the community paused to mourn the country's terrible losses.

"In a show of solidarity and support, the Penn State community joins the nation in mourning the victims of the recent deadly acts of terrorism that have horrified the world," said President Graham B. Spanier during last Friday's commemoration.

More than 10,000 Penn State students, faculty and staff poured out of classrooms and office buildings shortly before noon Sept. 14 to join in spirit with millions of people around the world in reflection and prayer for the victims of the Sept. 11 terrorist attacks.

The noon remembrance began with music by the Essence of Joy choral group and brass instrumental selections, leading up to a solemn five minutes of silence. With a large American flag draped in front of Old Main's columns as a backdrop, the emotional gathering then sang "God Bless America."

Spanier concluded the ceremony by asking those assembled to go in peace as Old Main's bells began to toll continuously until 1 p.m.

"We are a community of highly educated individuals, and we must not make the mistake of giving in to irrational fears, stereotyping, or hatred directed at our fellow citizens and colleagues," said Spanier. "I ask everyone associated with this great University family to come together in a spirit of unity, cohesiveness and understanding to overcome the forces of prejudice, bigotry and hatred."

More than 8,000 members of the Penn State and State College communities joined arms, sang and shared moments of silence at a candlelight prayer vigil at 7 p.m. outside Old Main.

"We come together to show our community that with our sorrow and anguish, comes great strength and unity," said Spanier.

Accompanied by members of the Penn State Blue Band, a choir — several hundred strong — filled the steps of Old Main and led the crowd in song, their candles held high.



President Graham B. Spanier addresses the crowd at the start of the noon prayer service outside Old Main on the University Park campus.

Photo: Greg Grieb

Reminder: State of the University Address is Friday

President Graham B. Spanier will focus on some significant changes in the landscape of higher education in his annual State of the University address, set for Friday, Sept. 21. The address will begin at 3 p.m. in Eisenhower Auditorium on the University Park campus. He also will address the challenges those changes pose and review Penn State's efforts in this area.

Spanier invited everyone in the University community — faculty, staff, students and alumni — to attend the speech.

Before the address, attendees will be treated to Penn State Creamery ice cream, which will be served on the patio in front of Eisenhower Auditorium beginning at 2:30 p.m.

For those unable to attend, the address will be broadcast live via satellite to all campus locations outside of University Park. Information on where to view the address live will be available from public information officers at each campus.

University committed to securing increased funding from state

Tony Wagner, director of Government Relations, has been given temporary new responsibilities as special assistant to Gary Schultz, senior vice president for finance and business. Wagner's new assignment reflects the University's commitment to seek increased future funding support from the state.



Tony Wagner

He will begin his new assignment Oct. 1 and is expected to continue for a period of approximately 18 months, although October

Funding, page 2

Funding

Continued from page 1

through December will be a transition period between its current and new responsibilities. With the change, Wagner will be relocating to 208 Old Main.

The University Trustees and administration are committed to enhancing the quality of Penn State. To accomplish this goal, increased funding is needed to maintain competitive salaries for faculty, cover increased cost of health-care benefits, address the University's large backlog of deferred maintenance and provide essential academic program support. Wagner will work with the newly formed Tuition Task Force and the Budget Task Force in developing and communicating cost for the University's plans to the administration and legislative leaders in Harrisburg.

The current Ridge administration's unprecedented commitment of \$200 million over five years in capital funding provided the opportunity for the University to develop a University-wide five-year capital plan. Nonetheless, the capital funding provided by the Commonwealth fell short of the University's most pressing capital requirements, and consequently, the University has had to resort to raising tuition an additional 5 percent over six years to support academic and operating costs for an additional \$180 million of educational and general projects. In his new assignment, Wagner will assist in developing a capital funding proposal that will be effective in convincing the administration to more adequately support the University's capital funding requirements. Additionally, Wagner will assist in refining the University's internal processes that link its capital plans with its cash flow requirements and debt financing plan.

Beyond the University's need to increase revenues, it needs to demonstrate that it is a good steward of the money it receives. Although the University already generally is recognized to be one of the most efficient universities, it needs to strive to better communicate and demonstrate that efficiency. Wagner will assist in compiling benchmark and assessment reports that will be effective in communicating that "efficiency story" to key stakeholders—Harrisburg, students, parents and alumni.

Wagner is uniquely suited to fill this temporary assignment for the University. For more than six years as director of Government Relations, he has represented Penn State in Harrisburg. In that role he has been involved in communicating the University's operating and capital budget needs to policy-makers in both the executive and legislative branches of state government.

Before joining Penn State, Wagner served in the governor's budget office and was executive assistant to the budget secretary. In that role he helped develop the governor's executive budget—including both operating and capital components—and gained expertise in both the legislative appropriation process and executive budget process.



25-Year Awards



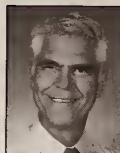
Ronald K. Grove



Dennis J. Marinco



Philip W. Mohr



Michael W. Grutzeck



John W. Hazzard



Anita Helton



Kathy Matason



Diane Mixon



Stephen W. Stace

Observing 25 years of service at the University are, top row from left, Ronald K. Grove, senior preparation technician, Dennis J. Marinco, stockroom inventory clerk, and Philip W. Mohr, affiliate professor of microbiology and director of biochemistry and molecular biology undergraduate programs, all in Eberly College of Science; and Michael W. Grutzeck, senior scientist and professor of materials in Office of the Vice President for Research; **second row, from left:** John W. Hazzard, stock truck driver in Office of Physical Plant; Anita Helton, administrative assistant II in Student Affairs; Kathy Matason, director of operations, Ben Franklin Technology Center in Office of the Vice President for Research; Diane Mixon, staff assistant V in University Testing Services; and Stephen W. Stace, associate professor of music and integrative arts at Penn State Abington. **Observing 25 years of service at the University but not pictured are:** Steven F. Flick, lead groundskeeper at Penn State golf courses; Daniel Johnstonsbaugh, environmental systems technician in Office of Physical Plant; Tammy L. Leathers, administrative assistant II, Morgan Academic Support Center for Student-Athletes in Office of the Vice Provost and Dean for Undergraduate Education; Beth A. Pfeiffer, library assistant III, serial department in University Libraries; Dave Roth, associate professor of engineering at Penn State Erie; and Edward T. Whitaker, director, Pittsburgh Community Recruitment Center in Office of Undergraduate Admission, Vice Provost and Dean for Enrollment Management and Administration.

Proposals sought for LINC project

Leadership for Institutional Change (LINC), a multi-year initiative, is seeking proposals for mini-grants for projects that address campus/community challenges at all University locations.

Proposals could have a neighborhood, state, national or international focus. The average amount of the grants is expected to range from \$3,000 to \$5,000, although a maximum of \$10,000 is possible.

A partnership of Penn State and Cheney University that is funded by the Kellogg Foundation, the LINC effort includes projects that represent collaborations among a number of land-grant institutions. LINC's overarching goals are to find and nurture the people who will be the college and university leaders of this century.

LINC is now in its second phase, which focuses on diverse themes of campus and community members that are working on projects related to such issues as alcohol education, elementary and secondary education, healthy communities, economic development and

service learning. LINC extends the boundaries of the University, and all forms of collaborative team projects that represent the University's internal and external stakeholders will be considered for funding. Mini-grant award recipients are introduced to a collaborative leadership model and are represented on the LINC Leadership Consortium at Penn State, which meets yearly to exchange effective practices and share learning experiences.

The deadline for submitting proposals is Oct. 15. Proposals will be reviewed by Nov. 30, and awards will be made while funding remains available. All funds must be expended by June 30, 2003, and project evaluations are due July 30, 2003.

For information about the mini-grant application process, contact Louise Sandmeyer at (814) 863-8721 or lesl@psu.edu; or David Day at (814) 865-3180 or davi@psu.edu. For more information on Penn State's involvement with LINC, visit the Web site at <http://www.psu.edu/president/cqi/LINC/index.htm>.

United Way tailgate luncheon is Sept. 27

The Division of Development and Alumni Relations will hold its annual United Way tailgate luncheon Thursday, Sept. 27, at The Nittany Lion Inn on the University Park campus. As in the past, the event is open to the public.

This year's special guest is the Nittany Lion mascot. Tailgaters can get their picture taken with the mascot for \$2. Proceeds from the tailgate will go toward the division's United Way goal.



Prize baskets at the event include gift certificates, a Penn State football signed by Joe Paterno, a custom-made golf club, a trip to Anietan, gourmet goodies and more. The total value of the baskets is more than \$2,500. For details, check the Web at <http://www.alumni.psu.edu/unitedway/picnicbaskets/index.htm>.

Luncheon tickets are \$5, and are available by contacting Judy Morgan at jrm2@psu.edu or (814) 865-5742, Marj Sente at marj@psu.edu or (814) 865-8935, or any members of the division's United Way committee.



Lectures

Drucker chair to address leadership challenges

Frances Hesselbein, founding president and chairman of the board of governors for the Peter F. Drucker Foundation for Non-profit Management, will deliver the Penn State Forum lecture at noon Tuesday, Sept. 25, at The Penn State Conference Center Hotel on the University Park campus.

The topic of her presentation is "Leadership Challenges in a New Century."

Hesselbein has been with the Drucker Foundation since its inception in 1990.

The Penn State Forum is a luncheon



Frances Hesselbein

Seminar views the multiplicity of America

Arturo Arias, faculty member in Latin American studies at the University of Redlands and president of the Latin American Studies Association, will present a seminar on "After the Rigoberta Menchú Controversy: Lessons Learned About the Nature of Subalternity and the Specifics of the Indigenous Subject" from 2:30 to 5:30 p.m. Monday, Sept. 24, in 306 Burrowes Building on the University Park campus.

It is one of two appearances Arias will make on the campus that day.

With the collaboration of an international team of practitioners of American studies, this seminar aims to interrogate the multiplicity of America as literary, historical, geographic and cultural phenomenon. The project of "re-thinking" entails a reconsideration of America (United States and non-United States) as national, plural, transnational and international/hemispheric.

Squadron's flights to be recounted in 'Huddle'

Carol Reardon, associate professor of history, will discuss "Flying 'Feet Dry' over North Vietnam: One Short Story from America's Longest War," at 9 a.m. Sept. 22 in The Nittany Lion Inn Faculty Staff Room on the University Park campus.

Reardon will share some of her research on the members of the U.S. Navy's Intruder squadron VA-75 and the missions they flew during the 1972-1973 combat cruise.

Talk focuses on changing American landscape

Pierce Lewis, professor emeritus of geography, will speak on "Images in the American Landscape" at 2 p.m. Saturday, Sept. 29, in 101 Thomas Building as part of the annual Parent and Families Day activities on the University Park campus.

Lewis will discuss the processes that have been occurring over the last hundred years or so that have shaped the contem-

porary landscape, especially those that signal significant shifts in American architecture in the eastern United States. The Schreyer Honors College will be host for the event, which is free to the public. For information, call (814) 863-2635 or visit the college Web site at <http://www.shc.psu.edu>.

ic agency in a global context.

The seminar, rostered in the Department of Comparative Literature and cross-listed with the Department of English and the Department of Spanish, Italian and Portuguese, is a project of the Center for Global Studies and a collaborative endeavor with the International American Studies Association.

Arias also will be the guest speaker at the Comparative Literature Luncheon at 12:15 p.m. Monday, Sept. 24, in 102 Kern Building. He will speak on "Latin American Studies in an Age of Globalization."

Lunch is from 12:15 to 12:40 p.m. Presentation and discussion is from 12:40 to 1:20 p.m. Bring a lunch or purchase one in the Kern cafeteria. Coffee and tea are provided.

For information, e-mail Daniel Walden at dwx8@psu.edu. The event is free to the public.

"Feet dry" is naval aviation slang for crossing over the beach after taking off from an aircraft carrier.

The event is free to the public.

The presentation is part of this fall's "Huddle with the Faculty," an Alumni Association outreach program that features presentation by faculty before every home football game. For information, call Mary Jane Stout at (814) 865-LION (5466).

Marker Lecture series will feature 3 chemists

Three chemists will give the 2001 Marker Lectures in the Chemical Sciences from 1 to 5 p.m., Sept. 25 in the HUB-Robeson Center Alumni Hall on the University Park campus. The three-lecture series is free to the public.

The lectures include "Perspective in Biological Catalysis" by Stephen J. Benkovic, Evan Pugh professor of chemistry and holder of the Eberly Family chair in chemistry; "Making Large and Small Molecules by Olefin Metathesis" by Robert H. Grubbs, Victor and Elizabeth Atkins pro-

fessor of chemistry at the California Institute of Technology; and "Micro- and Nanofabrication" by George M. Whitesides, Mallinckrodt professor of chemistry at Harvard University.

The Marker Lectures were established in 1984 through a gift from Russell Earl Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door on the current era of hormone therapies, including the birth-control pill.

Agricultural applications will be explored

Douglas D. Archibald, faculty research associate in the Department of Crop and Soil Sciences, will discuss "Agricultural Applications of Spectroscopic Quality Assessment Technologies" from 3:35 to 4:25 p.m. Sept. 21 in 101

Agricultural Sciences and Industries Building on the University Park campus.

The Department of Crop and Soil Sciences will be the host for the event. For information, call (814) 863-1601.

Lecture focuses on advances in telescopes

Roger Knacke, professor of physics and astronomy, will present "The Great Telescopes" at 7:30 p.m. Thursday, Sept. 27, in 101 Otto Behrend Science Building on the Penn State Erie campus.

Knacke, director of the School of Science, will describe the very large telescopes that have been built recently or are planned for the future. New engineering techniques now make it possible to construct telescopes that have light-gathering

powers hundreds of times greater than those of the largest telescopes built in the past 50 years.

Weather permitting, astronomical observing in the Mehako Observatory will take place after the lecture which is free to the public.

For information, call the School of Science at (814) 898-6105 or check the Web site (<http://www.pseri.psu.edu/science/Seminars.htm>).

Artistic director to talk on 'Changing China'

Zhao Ruheng, artistic director of the National Ballet of China, will speak to the Community Academy of Lifelong Learning on "Changing China" at 1:30 p.m. Friday, Sept. 28, at the Centre County Visitor Center on the University Park campus.

The lecture is a prelude to the National Ballet of China's performance at 8 p.m. Saturday, Sept. 29, at Eisenhower Auditorium on the campus.

The event is free to the public. For information, call (814) 238-2368.

Large classes are topic for faculty luncheon

The Center for Excellence in Learning and teaching will hold a luncheon specifically for teachers of large classes from 12:15 to 1:30 p.m. Wednesday, Sept. 26, in the Gold Room of the Pollock Dining Commons on the University Park campus.

The topic for discussion is "Paradise

Regained: Resurrecting Intellectual Curiosity in Large Class Sections." Pre-registration is required by Sept. 21. E-mail celt@psuedu or call (814) 863-2599 to register. For information on other CELT luncheons for the fall semester, see <http://www.psu.edu/celt/programs.shtml#lunches>.

Sharing planning practices session scheduled

Michael Doors of the Center for Quality and Planning will moderate a discussion on "Sharing Effective Planning Practices in Academic Units" from 8:30 to 10 a.m. Tuesday, Oct. 9, in the 404 Old Main on the University Park campus.

This session is intended as a collaborative, sharing conversation about planning in the context of academic leadership. Participants may register for this session by calling the Center for Quality and Planning at (814) 863-8721 or by e-mail at psucqp@psu.edu.

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at <http://www.psu.edu> and click on the link under "Announcements" to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



Partings

Longtime director to retire after 38 years

Archie McDonnell, director of the Environmental Resources Research Institute, director of the Environmental Consortium and professor of civil engineering, is retiring this year, effective Sept. 30th, after serving the University for more than 38 years.

He began his career at the University in 1963 as assistant professor of civil engineering and embarked on his career with the institute in 1969.



Archie McDonnell

From 1969 to 1982, he served as assistant director of the Institute for Research on Land and Water Resources, EERI's precursor established in 1963, and as director of the institute's Water Resources Research Center. In 1982, he was appointed director of the institute and served in that capacity until 1986. In 1986, the Institute for Research on Land and Water Resources merged with the Center for Air Environment Studies to become the current Environmental Resources Research Institute, and McDonnell has served as its director from 1986 to present. In addition, with the establishment of the University's Environmental Consortium in January of 2000, he also has served as the consortium's director.

Under his leadership, the institute has grown in numbers from 190 faculty, staff and graduate students, to include faculty from 25 departments representing seven colleges, seven post-doctoral scholars and 56 graduate students, including 20 doctoral degree and 36 master of science degree candidates. Research expenditures, which are derived from a present active contract funding base of \$36 million, have increased from \$335,000 per year to \$10.5 million per year. In addition, institute centers have expanded from three to eight.

McDonnell has received many honors and awards throughout his career. He also has chaired or co-chaired or been the member of many state and national committees and boards dealing with the issue of water quality.

McDonnell has been the principal or co-principal investigator on multiple research projects.

McDonnell earned a bachelor of science degree in civil engineering from Manhattan College and a master's degree and doctoral degree in civil engineering from Penn State.

After 29 years, Biederman says farewell

Edwin Biederman retired after 29 years of service to the University and its Pennsylvania Technical Assistance Program (PENNTAP).

During his work for PENNTAP, he provided technical assistance to thousands of clients around the world, who reported millions of dollars of economic benefits.

Biederman holds five patents, authored

a book and had nearly 20 articles published.

Before joining the University, Biederman worked for Cities Service Oil Co. for 14 years and also served in the U.S. Air Force. He received his bachelor of arts degree in geology from Cornell and a doctoral degree in mineralogy from Penn State.

Emeritus rankings announced by the University

The following individuals have earned emeritus rank from the University for their long-standing and productive years of service:

Jan M. Murtmansky, professor emeritus of mining engineering in College of Earth and Mineral Sciences, from Sept. 1, 1977, to July 3.

E. Stratford Smith, professor emeritus of communications in College of Communications, from April 1, 1989, to July 3.

Judith Van Herik, associate professor emerita of religious studies and Jewish studies in College of the Liberal Arts, from Sept. 1, 1977, to June 30.

COURSES

Health Matters

To register for or learn more about this program on the University Park campus, call Health Matters at (814) 865-3085 or check the Web site at <http://www.ohr.psu.edu/health/home.htm>.

Health Matters will offer "Say Cheese!

Show Those Pearly Whites" from 11 a.m. to noon, Tuesday, Sept. 25, at 300 HUB-Robeson Center on the University Park campus. Dr. Eddie Kotary, a State College dentist, will answer questions about routine teeth cleaning and what to watch for in more serious dental problems

Renovations



In order to comply with Americans With Disabilities Act requirements, a new elevator and restroom facility are being built at the Forum Building on the University Park campus. In addition, a steam line is being replaced and relocated.

Photo: Greg Grieco

NEWS IN BRIEF

University Press book sale

The Penn State University Press will hold its annual book sale from 9 a.m. to 4:30 p.m. Friday, Sept. 21, at the Press' warehouse at 820 N. University Drive on the University Park campus.

The sale features discounts of 20 percent to 80 percent on books published by the Press. For information, call (814) 865-1327 or visit the Web site at <http://www.psupress.org/>.

Reminder

The closing date for receipt of Evan Pugh professorship nominating materials is Monday, Oct. 22. All nominations must be submitted in accordance with Policy HR87 and established guidelines and should be sent to the dean of the academic college in which the nominee is appointed. Current nomination guidelines may be obtained by calling (814) 863-9580, by e-mail to vx22@psu.edu, or by stopping in 304 Old Main, University Park.

For the Record

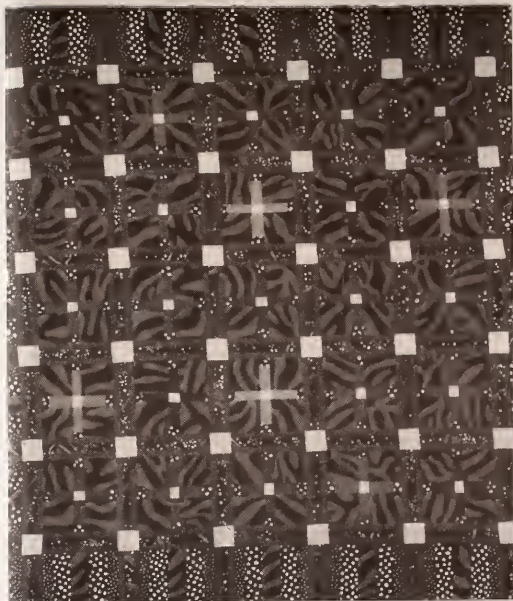
Due to an editing error, the addresses to send applications or nominations for the positions of dean of the Dickinson School of Law and provost and dean of Penn State Erie were not included in articles on the back page of the Sept. 13 issue of Intercom.

Applications or nominations for the dean of The Dickinson School of Law may be sent on diskette, by e-mail to PSUSearch@psu.edu or to Darrell G. Kirch, chair of the search committee for the dean of The Dickinson School of Law, 201 Old Main, University Park, Pa., 16802.

Applications or nominations for the provost and dean of Penn State Erie may be sent on diskette, by e-mail to PSUSearch@psu.edu or to William G. Cale Jr., chair of the search committee for the provost and dean of Penn State Erie, 201 Old Main, University Park, Pa. 16802.



Arts & Entertainment



"You Are Here" is a collage and quilts display by Robert Placký and Debra Placký. The exhibit is being shown in the HUB-Robeson Center on the University Park campus through Oct. 24. A reception will take place 6 to 8 p.m. Sept. 27 at this location.

Bach's Lunch concert

The University's violin majors will perform music for a four-part violin choir as part of the Bach's Lunch concert series at 12:10 p.m. Thursday, Sept. 27, in Eisenhower Chapel on the University Park campus. The group is known as the Higher Wire Choir due to its treble position in the string instrument family. The choir is under the direction of James Lyon, associate professor of music.

Arts lectures begin

Moylan C. Mills, professor emeritus of integrative arts, will offer a pre-opera video and lecture on Gaetano Donizetti's "The Elixir of Love" at 2:30 p.m. Sunday, Oct. 7, in 112 Woodland Building on the Penn State Abington campus.

The lecture opens the "An Afternoon with the Arts" series, a yearlong program featuring guest speakers who lecture on the upcoming performances of the Opera Company of Philadelphia and the Philadelphia Orchestra. The fee is \$8 for a single lecture or \$40 for all six lectures in the series.

For information and registration, call (215) 881-7368.

Big band concert

The City Rhythm Orchestra will present its big band sound at 2 p.m. Sunday, Oct. 14, on the Helen Buck O'Neill Stage in the Sutherland Auditorium on the Penn State Abington campus.

The concert is part of the Eastern Montgomery County Chamber of Commerce's "Best of the Burbs."

Tickets cost \$5. For information, call Sally Reintz at (215) 881-7368.

PROMOTIONS

Staff

Gary B. Field, manager, network operations in The Smeal College of Business Administration

Stephanie J. Gates, library assistant I in University Libraries

Giovanna M. Genard, marketing coordinator in Division of Development and Alumni Relations

Gina L. Grazer, accounting assistant in Eberly College of Science

Michael J. Gustafson, research engineer in Applied Research Laboratory

Mark F. Henriksson, research engineer in Applied Research Laboratory

Allen H. Homan, assistant research engineer in College of Engineering

Kevin R. Hough, research programmer in Computer and Information Systems — Center for Academic Computing

Tammy J. Irion, staff assistant VII in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Christina L. Johnson, staff assistant VII in Division of Outreach and Cooperative Extension

Robert A. Johnson, senior research engineer in Applied Research Laboratory

Kristal L. Jozefik, staff assistant VI in School of Technology

Michelle B. Keller, research engineer in Applied Research Laboratory

John M. Kenny, research engineer in Applied Research Laboratory

James J. Kisenwether, research engineer in Applied Research Laboratory

Russell G. Knee, senior engineering aide in Applied Research Laboratory

Andrew M. Lawler, senior research programmer in Computer and Information Systems — Center for Academic Computing

Douglas S. Lewis, senior research programmer in Computer and Information Systems — Center for Academic Computing

Bonnie S. Marshall, director of development II in Division of Development and Alumni Relations

Robert D. Marciniak, research engineer in Applied Research Laboratory

Brian N. Mazan, lead applications programmer/analyst in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration

Salvatore J. Mazzotta, research programmer in Computer and Information Systems — Center for Academic Computing

Clifton C. Merchant, senior research engineer in Applied Research Laboratory

Eleanor E. Meyer, staff assistant VII in Division of Outreach and Cooperative Extension

Patricia C. Mihalik, accounting assistant in Eberly College of Science

Laura L. Miller, coordinator of marketing in Division of Outreach and Cooperative Extension

Robert L. Mottorn, coordinator, computer laboratories and microcomputer consultant in Computer and Information Systems — Center for Academic Computing

William W. Moyer, senior research engineer in Applied Research Laboratory

Patricia O. Mutezek, programs coordinator in Division of Undergraduate Studies, Office of the Vice Provost and Dean for Undergraduate Education

Kevin L. Myers, environmental health and safety specialist in Office of Physical Plant

Carol J. Nadzom, staff assistant VIII in Division of Outreach and Cooperative Education

Sharon A. Nymann, staff assistant VIII in College of Health and Human Development

Ryan P. Peterson, senior research technologist in Eberly College of Science

Scott H. Posey, assistant research engineer in Eberly College of Science

John C. Powell, director of development II in Division of Development and Alumni Relations

Bernard R. Punt, manager, marketing at The Bryce Jordan Center

Christopher M. Reber, director of development II in Division of Development and Alumni Relations

Pamela D. Reed, staff assistant VI in University Libraries

Penny L. Regel, financial and accounting assistant in Applied Research Laboratory

Julia R. Reighard, staff assistant VI in Eberly College of Science

Sandra K. Richner, coordinator, administration and business services in Applied Research Laboratory

Robert H. Rivoir, research engineer in Applied Research Laboratory

Gillian Y. Roland, library supervisor IV in University Libraries

Susan I. Rossman, project data specialist II in College of Engineering

Sandra L. Rothrock, staff assistant VIII in Commonwealth Educational System

Cindy M. Sackett, assistant to dean in College of Health and Human Development

Anthony J. Sanfilippo, director of sales in Office of the Vice President for Research

James T. Say, coordinator computer laboratories and microcomputer consultant at Penn State Erie

Brett D. Saylor, associate research engineer in Applied Research Laboratory

Bobbi L. Schaffer, administrative assistant III in College of Engineering

Kenneth R. Schroyer, coordinator, administration and business services in Applied Research Laboratory

Penny S. Seeger, staff assistant V in Division of Outreach and Cooperative Extension

Robert M. Seland, research engineer in Applied Research Laboratory

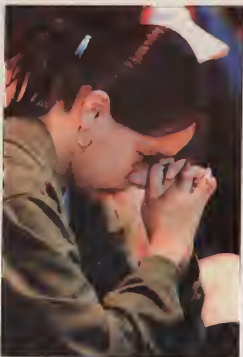
Michelle L. Seiner, staff assistant VI in College of Earth and Mineral Sciences

Debra M. Shay, staff assistant IX in Applied Research Laboratory

Tiffany V. Shultz, staff assistant VII in College of Agricultural Sciences

Tracy L. Shurtica, staff assistant VIII in Office of the Vice President for Research

Jennifer A. Siegel, area representative II at Penn State Delaware County



Sept. 11: Student Ana Soto reflected on the day's events at a vigil held in the ballroom of the HUB-Robeson Center on the University Park campus.

Photo: Greg Grieco



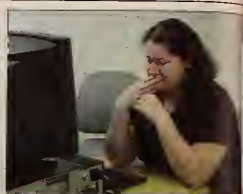
Sept. 11: As live coverage of the terrorist attacks plays on a large screen behind them, Red Cross phlebotomist Karen Crandle works with donor Louisa Smith, a freshman from State College.

Photo: Annemarie Mountz



Sept. 11: While a vigil was being held in the HUB-Robeson Center, an impromptu prayer gathering formed on the Old Main patio.

Photo: Annemarie Mountz



Sept. 12: Sarah Cassi, a senior journalism major, breaks down while reading her first-person essay about the Sept. 11 tragedy, written in Russell Eshleman's Communications 460 class.

Photo: Annemarie Mountz

Scenes and stories from University Park

PSU-Virginia football game rescheduled

All Penn State athletic events scheduled through Sunday, Sept. 16, were postponed or canceled in the wake of the tragic events in the nation, Tim Curley, director of athletics, announced on Sept. 12. This included all events, home and away. An effort will be made to reschedule all events.

Penn State's football game at Virginia will be played Saturday, Dec. 1, in Charlottesville, Va.

For the latest updates on Penn State athletics, go to <http://www.GoPSUsports.com/>.

Alumni Association mobilizes

The Penn State Alumni Association is mobilizing its affiliations around the world to provide information and assistance wherever possible. The association dedicated a message board on its Web site to help alumni contact friends and family who may have been affected by the events of Sept. 11, and for offers of assistance in the New York City and Washington, D.C., areas. The message board can be found by going to the Association's Web site at

<http://www.alumni.psu.edu/>. Alumni and friends can contact the Alumni Association at (800) 548-LION or by e-mailing alumni-relations@psu.edu.

Professor sets up information site

Louis Geschwindner, professor of architectural engineering, is collecting information about the tragedy, the buildings and members of the Penn State architectural engineering family who may have had connections to this terrible situation.

The site can be found at <http://www.engr.psu.edu/ae/utrc/utctragedy.html>. Information to be added to the site may be sent to Geschwindner at lig@psu.edu.

Faculty serve as expert sources

Penn State has a triple mission of teaching, research and service. As tragic events have unfolded across the nation, the service aspect has been particularly active as numerous Penn State professors who are experts in their field are being called upon to provide information and background to the media from a variety of angles.

For the story by Julie A. Brink, see <http://www.psu.edu/utrc/>

Classroom discussion

Russell Eshleman scrapes communications reporting class, Sept. 12. Instead of students typed away furiously at the start of Eshleman's class, their whereabouts when of terrorism strikes on

President Graham B. Spanier members meet their class their classroom time as for our students, most a port and understanding.

For the story by Julie A. Brink, see <http://www.psu.edu/utrc/>

Counselors lend an ear

Penn State's Center for the Services (CAPS) is providing

"We are a community of highly educated individuals, and we must not make the mistake of giving in to irrational fears, stereotyping, or hatred directed at our fellow citizens and colleagues. I ask everyone associated with this great University family to come together in a spirit of unity, cohesiveness and understanding to overcome the forces of prejudice, bigotry and hatred."

President Graham B. Spanier



Sept. 14: Ching-Fang Lee of Taiwan, a Ph.D. student in art education, and others sign a banner in the HUB-Robeson Center for victims of the terrorist attacks.

Photo: Julie A. Brink



Sept. 14: The noon memorial service outside Old Main was a time for many to grieve for the victims of the terrorist attacks in New York and Washington, D.C., as well as those who died in the hijacked plane that crashed in western Pennsylvania.

Photo: Greg Grieco



Sept. 14: Thousands of people crowded onto the Old Main lawn and the sidewalks surrounding Old Main for the noon vigil service.

Photo: Greg Grieco



Sept. 14: The first candle lit at the evening vigil at University Park was lit from a master candle, stationed on the steps of Old Main.

Photo: Greg Grieco



Sept. 12: The Rev. Stephen Honeygosky of the Penn State Catholic Center, one of many clergy members on duty at Eisenhower Chapel, counsels faculty, staff and students with faith-based encouragement.

Photo: Greg Gneco



Sept. 12: Students lined up outside of Wagner Building on the University Park campus to give blood. The wait at this part of the line was four to five hours. Although the wait was long, morale was high.

Photo: Greg Gneco



Sept. 13: Students gathered outside Old Main at University Park to view artwork by two anonymous students. The pictures were of the World Trade Center on fire, with the flags of more than 130 countries superimposed on them.

Photo: Chris Koleno

American Red Cross a key United Way agency

Sept. 11 is not only a day to remember how terrorism shocked our nation, but also how members of Penn State banded together to give the citizens of America the gift of life.

After the horrific morning events in New York, Washington, D.C., and western Pennsylvania, the Centre County American Red Cross, an organization funded by the Centre County United Way, saw faculty, staff and students realizing how important it is to help their community.

A regularly scheduled blood drive was planned for that day, with the collection goal of 120 units. By early afternoon, the HUB-Robeson Center was filled with those interested in donating. Funds from the Centre County United Way helped make possible the blood drive and emergency efforts while at the same time connecting the love of people for their community to those who need blood to live.

After blood banks in Centre County are replenished, remaining units from the drive may be shipped to emergency areas, helping both our community and those in immediate need.

Centre County American Red Cross will receive \$100,000 of the planned goal through the United Way campaign ending in November. With the help of all faculty and staff, this goal can be reached. For more information on how to help, visit <http://www.psu.edu/ur/events/unitedway/>.

Unite

Continued from page 1

Edem Adubra, president of the international student council, expressed the solidarity of Penn State's international community with the American people.

"When the perpetrators of these acts and origins are known, we hope that there will be a clear understanding within the Penn State community that these individuals represent only themselves and their sponsors."

Near the conclusion of the vigil, Anthony Leach, assistant professor of music and music education, led everyone in a unique rendition of "This Little Light of Mine."

*At Penn State and in this world,
I'm gonna let it shine
At Penn State and in this world
I'm gonna let it shine
At Penn State and in this world
I'm gonna let it shine
Let it shine, let it shine, let it shine*

Photos of the Old Main observances can be found on the University's home page at <http://www.psu.edu/ur/flash/service.html>.

in the aftermath of a national tragedy

Brink, check the Web at <http://index.html#experts>.

aid in healing

His original plan for his introductory class on Wednesday to a lecture, his student at their computers at the time of their charge? Describe they heard the horrific news of 9/11.

He requested "faculty as scheduled and use principal source of comfort from which will be in need of support. Kessler, check the Web at <http://index.html#classroom>.

around the clock

Counseling and Psychological Center counseling to students

and others in the University community with needs related to last Tuesday's terrorist attacks. Those with questions about counseling available through CAPS should call (814) 863-0395, and should indicate if they have special needs related to the crises in order to secure an appointment as quickly as possible.

The Office of Human Resources has coordinated with the Employee Assistance Program (EAP) to make therapists available to talk with faculty and staff. To schedule personal counseling, call the EAP at (800) 858-2778.

The Center for Ethics and Religious Affairs, in the Helen Eakin Eisenhower Chapel, has also indicated that clergy and staff are available to talk with affected individuals through its Open Door Counseling Ministry. Call (814) 865-6548 for details.

Another source of information for counseling needs is the Lion Support Line at (814) 863-2020.

Penn State holds vigil for victims of terror

Tears ran down the sad, silent faces of the Penn State community as more than 1,500 people of all faiths joined in song and prayer in Alumni Hall at the HUB-

Robeson Center Sept. 11. The Penn State All Faiths Vigil, coordinated by the Center for Ethics and Religious Affairs, gave all in attendance the opportunity to join hearts and minds to mourn the tragedies inflicted upon the nation today.

For the full story by Allison Kessler, check the Web at <http://www.psu.edu/ur/flash/index.html#vigil>.

Penn Staters flood blood drive sites

Since it was the first blood drive of the fall semester on Penn State's University Park campus, the American Red Cross had lowered its usual collection goal for the day to just 120 units before an overflow of concern from the community surrounding Tuesday's (Sept. 11) multiple crises swamped its facilities in the HUB-Robeson Center with new and returning donors.

Those interested in becoming blood donors at University Park or in State College can call (814) 237-2713 for more information.

For the full story by Gary Cramer, go to <http://www.psu.edu/ur/flash/index.html#blooddrive>.



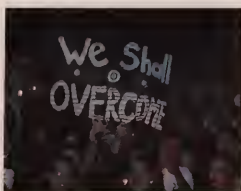
Sept. 14: Members of the crowd, which numbered in the thousands, shared their candles with others, until all the candles were lit.

Photo: Annemarie Mountz



Sept. 14: A Penn State ROTC unit unfurled a large flag, which was held by a wide variety of people, during the candlelight vigil outside Old Main.

Photo: Annemarie Mountz



Sept. 14: A few signs were lifted high at the end of the candlelight vigil, including the one seen here.

Photo: Annemarie Mountz



University Park Calendar

September 21 - September 30

SPECIAL EVENTS

Friday, September 21

"A Song and a Prayer: Looking at 'Differences Preserved,'" gallery talk by Joyce Robinson, noon, Christoffers Lobby, Palmer Museum of Art.

Friday, September 28

"Drawings by John F. Kensett," gallery talk by Julia Dolan, noon, Christoffers Lobby, Palmer Museum of Art.

Saturday, September 29

The Microcomputer Order Center Open House, 8:30 a.m. to 5 p.m. Sept. 28 and 9 a.m. to 2 p.m. Sept. 29, 12 Willard.

MUSIC

Friday, September 21

"Side Show," musical, 8 p.m. through Sept. 29, 2 p.m. Sept. 29, Pavilion Theatre. For tickets, call (814) 863-0255.

Wednesday, September 26

The Black Crowes, along with guest Beachwood Sparks, 8 p.m., The Bryce Jordan Center.

Thursday, September 27

Four-part violin choir, Bach's Lunch concert, 12:10 p.m., Eisenhower Chapel.

Saturday, September 29

"Changing China Symposium," with Madame Zhao, 1 to 4 p.m., 204 Thomas.
"La Sylphide," performed by the National Ballet of China, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

SEMINARS

Friday, September 21

Alexander Varshavsky on "Understanding the Ubiquitin-Proteasome System," 11:15 a.m., 1D1 Thomas.

John Ruhl on "Cosmology from the Microwave Background: Boomerang and Beyond,"

12:15 p.m., 1D1 Desmond Laboratory.
Douglas D. Archibald on "Agricultural Applications of Spectroscopic Quality Assessment Technologies," 3:35 to 4:25 p.m.,

1D1 Agricultural Sciences and Industries.
Dmitri Diakonov on "Gauge Invariant Reformulation of the Yang—Mills Theory," 4 p.m.,

339 Davey Laboratory.

Saturday, September 22

Carol Reardon on "Flying 'Feet Dry' over North Vietnam: One Short Story from America's Longest War," 9 a.m., The Nittany Lion Inn Faculty Staff Room.

Monday, September 24

Arturo Arias on "Latin American Studies in an Age of Globalization," 12:15 p.m., 1D2 Kern.

Siwarutt Boonyaratnakalin on "Molecular Mechanism of Antibiotic Drug Resistance in Multidrug Resistant *Staphylococcus aureus*," 1:15 p.m., S5 Osmond Laboratory.

Jason Zimba on "DeCoherence for Dummies," 2:30 p.m., 339 Davey Laboratory.

Arturo Arias on "After the Rigoberta Menchú Controversy: Lessons Learned About the Nature of Subalternity and the Specifics of the Indigenous Subject," 2:30 to 5:30 p.m., 3D6 Burrows.

Eric Poisson on "Gravitational Radiation Reaction in Strong Fields," 3:30 p.m., 31B Osmond Laboratory.



This interior photograph of Zhang Kuangzheng's tomb is part of the exhibit "Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties." This exhibit remains on display in the Palmer Museum of Art on the University Park campus through Dec. 16.

Tuesday, September 25

Jessica Korn will discuss strategies for motivating employees, 11 a.m., Assembly Room, The Nittany Lion Inn.

Frances Hesselbein on "Leadership Challenges in a New Century," 11:30 a.m. to 1 p.m., The Penn Stater. For tickets, call (814) 865-7590.

Steve Benkovic on "Perspective in Biological Catalysis," R.H. Grubbs on "Making Large and Small Molecules by Olefin Metathesis," and George Whitesides on "Micro- and Nanofabrication," 1 to 5 p.m.,

HUB-Robeson Center Alumni Hall.

Victor Yakovenko on a subject to be announced, 3:30 p.m., 339 Davey Laboratory.

Wednesday, September 26

Martin Slivinski on "Within-person and Between-person Relationship Among Age, Disease and Cognition," noon to 1 p.m., 1D6 Wartik Laboratory.

Bernhard Tittmann on "Non-Destructive Testing of Locomotive Wheels Using EMAT," 3:35 to 4:25 p.m., 114 Earth and Engineering Sciences.

Thursday, September 27

David Hoagland on "Diffusion of Spatially Confined Polymers in Heterogeneous Media," 11:15 a.m., 2D Delke.

D. Fairchild Ruggles on "Landscape and the Framed View in Islamic Spain and Mughal India," 5:30 p.m., Lipcon Auditorium, Palmer Museum of Art.

Friday, September 28

Rick Karban on "Communication Between Plants and Resistance to Herbivory," 11:15 a.m. to 12:05 p.m., 101 Thomas.

Ian R. Harrison on "Labview Virtual Instruments and Flash Movies: General Science/Engineering Type Applications of These Tools," noon to 1 p.m., 241 Computer.

Jennifer Glass on "Blessing or Curse? Family Responsive Policies and Mother's Wage Growth," noon, 102 Weaver.

Zhao Ruheng on "Changing China," 1:30 p.m., Centre County Visitor Center.

Saturday, September 29

Pierce Lewis on "Images in the American Landscape," 2 p.m., 1D1 Thomas.

EXHIBITS

HUB-Robeson Center

"Images on Paper," water collages by Richard Hamwi, through Oct. 25.

"You Are Here," collage and quilts by Robert Plackay and Debra Plackay, through Oct. 24.

"Seeing the World Through Women's Eyes," black and white photography by Kathleen Karp, through Oct. 15.

Kern exhibit area

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," photography by Robin Hoeck, through Dec. 5.

Palmer Museum of Art

"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," through Dec. 16.

"The Poetry of Line: Drawings by Henry Pearson," through Nov. 18.

"American Pastorale: Drawings by John F. Kensett," American Works on Paper Gallery, through Dec. 21.

Pattee and Paterno Library exhibit areas

"To Make You Feel Proud: Gender and Sexuality Studies at Penn State," through Oct. 31.

"Beauty Within the War-Torn Shadows: Visual Arts and Music of the Civil War Era," through Oct. 28.

"Riding the Keystone Rails—Selections from the Railroad Collections of the Special Collections Library," through Oct. 2D.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Career Fair



The floor was filled at The Bryce Jordan Center during a Career Fair held Sept. 11 to 13 on the University Park campus. About 8,500 students attended the event, at which about 430 companies were represented.

Photo: Gary Cramer

PENN STATERS

Nirmal K. Bose, HRB-Systems professor of electrical engineering, presented a lecture series on multidimensional signal processing at Ruhr Universitaet, Bochum, Germany. He also presented two invited seminars: "Groebner Bases in Multidimensional Systems: Recent Results," at Twente University at Enschede, The Netherlands, and "Improved Image Restoration by Neurocomputing Principles," at Konstanz, Germany.

Gordon F. De Jong, distinguished professor of sociology and demography and director of the Graduate Program in demography, was recently elected chair of the popula-

tion section of the 12,000-member American Sociological Association. He will serve as chair for the 2002-2003 academic year period.

W. Larry Kenney, professor of physiology and kinesiology, presented a keynote lecture at the recent meeting of the International Union of Physiological Sciences meeting in Wollongong, New South Wales, Australia. The topic was "Decreased cutaneous vasodilation in aged skin: mechanisms, consequences and interventions."

Jeanne Krochalis, associate professor of English at Penn State New Kensington,

was among the speakers at the sixth International Congress on Jacobean Studies in Santiago de Compostela, Spain.

Joseph Selden, assistant dean for multicultural affairs for the College of Communications, has been honored with the Barry Bingham Sr. Fellowship for 2001 by the National Conference of Editorial Writers. The annual fellowship recognizes a journalism educator dedicated to recruiting minority students and helping them prepare for careers in journalism. The award was presented during the group's 55th annual convention in Pittsburgh.

New chapel setting for pipe organ

Worship services at the newly completed Larry and Kathryn Smith Chapel at Penn State Erie will include the sound of a pipe organ, thanks to the generosity of Larry and Kathryn Smith, donors of the multi-faith chapel.

The couple recently agreed to purchase the organ in honor of their children, Kevin and Colleen.

The organ will be built by the Martin Ott Pipe Organ Co. of St. Louis. With a design specific to the construction of the chapel, the organ will have 23 rows of pipes and 21 stops, or types of sound, available. The organ case, with mortise and tenon construction, will be oak. Most of the 1,208 pipes will be built by a German pipemaker, but the wind reservoir and the toe studs will be built by Organ Supply Industries in Erie. It will be completed in June 2003.

In 1998, Larry Smith, owner of Automation Devices Inc., and his wife, Kathryn, provided funds to build the bell tower and multi-faith chapel at Penn State Erie. The pledge included use of funds from an unrestricted gift made by Smith's late parents, Floyd and Juanita Smith, more than a decade ago. The decision to include a bell tower and 48-bell carillon in the construction resulted from a comment by the Floyd Smith when he visited the campus 15 years ago.

"Every university needs a bell tower," he said.

In May, Larry and Kathryn Smith visited Meeks and Watson, a foundry in Georgetown, Ohio, to see the bells for the carillon being cast. The carillon, which is expected to be in operation in the summer of 2002, will be one of fewer than 100 nationwide with 48 or more bells. The largest bell will weigh in excess of 1.3 tons.

The program statement called for the chapel's design to "inspire reverence, awe, contemplation and peace." With more than 30 religious traditions represented at the college, the chapel is designed to serve students of all faiths.

The chapel, except for the carillon and organ, is now available for use by students.

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at <http://www.psu.edu> and click on the link under "Announcements" to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



Appointments

2 new appointments announced in Smeal College

The Smeal College of Business Administration recently welcomed a new associate dean and a new director of the Farrell Center for Entrepreneurship.

Christopher von Schirach-Szmigiel joins the college as associate dean for executive education. He was a visiting professor at Stern Graduate Business School, New York University; Stockholm School of Economics (Handels Hogskolan i Stockholm); and Kasetsart University, Bangkok. He also has served as director for strategic executive programs at Ericsson, Unilever, Audi-Volkswagen, Nordbanken, and program director for Ericsson Corporate Strategic Development Programs, Telia-Ericsson Strategic Partnership Program,

Business Intelligence Program for IT and Telecom Industry in Ericsson.

Anthony Warren joins the college as the Farrell Clinical professor of entrepreneurship and the director of the Farrell Center for Entrepreneurship. Warren received a bachelor science degree and a doctoral degree in physics at the University of Birmingham, United Kingdom, followed by post-doctoral research in low temperature superconductivity undertaken at the Universities of Toronto and Illinois. In 1999, he co-founded Strategic Technologies LLC, a boutique investment bank undertaking transactions for corporations with significant intellectual property assets.

Women in Engineering Program names assistant director

Mary Severs Scibica has been named assistant director of the College of Engineering's Women in Engineering Program on the University Park campus.

As assistant director, Scibica will coordinate the program, a yearlong orientation for first-year female engineering students that includes mentoring and networking programs, hands-on and academic-enrichment classes, and facilitated study groups.

She will assist with the program's Girl Scout Saturdays, a program that offers hands-on learning activities for Brownies and Girls Scouts, and Venture in Engineering Camp Tour, a summer engineering pro-



Mary Scibica

gram for high school girls sponsored by the Colleges of Engineering and Earth and Mineral Sciences.

Before joining the University, Scibica was a science educator at the Museum of Science and Industry in Chicago. Before that, she held several positions at the University, including supervisor of the early preservice teacher field experience, science education methods instructor and general chemistry laboratory lecturer.

Scibica holds a bachelor of science degree in biology and a master of science degree in curriculum and instruction with an emphasis in science education, both from Penn State.

Science division head appointed at Berks-Lehigh Valley

Lion Milakofsky, professor of chemistry, has been named science division head of Penn State Berks-Lehigh Valley.

A University faculty member since 1968, he served first at the Worthington Scranton campus and moved to the Berks campus in 1970. Milakofsky has published more than 30 articles in professional journals and has obtained a National Science Foundation grant. His research deals with fetal alcohol

syndrome as the effects of nicotine on chicken embryos.

In this new position, he will be responsible for academic programs and planning for the science division, recruitment and evaluations, and consulting with other division heads.

Milakofsky earned his doctorate in chemistry from the University of Washington in 1967 and his bachelor's degree from Temple University in 1962.

Assistant director named at children, youth consortium

Keith Aronson has been named assistant director of the Children, Youth and Families Consortium on the University Park campus.

He received his doctorate in clinical psychology from the University and completed his internship and post-doctoral residency at Vanderbilt University.

Aronson brings to the consortium

research interests in health and wellness, individual development, public health administration, health policy and service delivery. At the consortium, he will work with faculty to develop interdisciplinary networks, research projects and outreach activities focused on critical issues facing children, youth and families.

2 health and human development professors win appointments to NIH study sections

Two professors in the College of Health and Human Development have been appointed to study sections within the National Institutes of Health's Center for Scientific Review.

Elizabeth J. Susman, Jean Phillips Shibley professor of biobehavioral health, has been appointed to Risk, Prevention and Health Behavior Study Section I within the Risk, Prevention and Health Behavior Integrated Research Group.

George P. Vogler, professor of biobehavioral health and associate director of the Center of Developmental and Health Genetics, has been appointed to Social Sciences, Nursing, Epidemiology and Methods Study Section within the Social Sciences, Nursing, Epidemiology and Methods Integrated Research Group.

Both appointments were effective immediately. Susman's appointment ends on June 30, 2003, while Vogler's ends on June 30, 2005.

Study sections review research grant applications that have been submitted for consideration to the National Institutes of Health. Each study section typically reviews 50 to 100

applications that have been assigned to an integrated research group based on each application's scientific focus. The study section to which Susman has been appointed reviews applications that identify risk factors or provide processes and models that address the manifestation, prevention, treatment or management of physical and mental diseases and disorders.

Vogler's study section reviews applications for multi-level/multi-contextual studies, behavioral genetics and heritability studies and behavioral epidemiologic studies which seek an understanding of the origins, multiple etiologies, natural histories and consequences of a wide range of behaviors, disorders, diseases, normal functioning and public health concerns.

Study section members are selected on the basis of their demonstrated competence and achievement in their scientific field as evidenced by the quality of their research accomplishments, publications in scientific journals and other scientific activities, achievements and honors.

OBITUARIES

Karen Ann Ruth, 58, director of University Relations, died Friday, Sept. 7. A University employee for 35 years, Ruth joined the Office of University Relations in 1988.

She managed the University Park employee campaign for United Way, was a member of the board and president of Lion Country Visitors and Convention Bureau from 1986-95, served on the State College Chamber of Commerce Public Relations Committee from 1986 to the present, served on the Commission for Women, was a member and president of Pennsylvania Angus Auxiliary from 1986-89, and was on the board of directors of Eden Hill Conservancy and Centre/Clinic Crop Management Association.

Ruth also managed commencements for the University, overseeing the graduation of tens of thousands of Penn State graduates.

Memorial contributions may be made to Richard Pencek Fund in American

Studies, 13 Sparks Building, University Park, Pa. 16802.

Raymond Harrison Brown, 81, conductor and bass-baritone, died Tuesday, Sept. 4.

Brown joined the University Music Department in 1953. In 1957, he founded the Penn State Singers and in 1966, he became the director of the University Choirs.

In 1981, Brown and his Penn State Singers received a citation from the Pennsylvania House of Representatives.

Brown was a Fellow of the Institute for the Arts and Humanistic Studies, founder and past president of the Allegheny Chapter of The National Association of Teachers of Singing and a recipient of the Distinguished Service award from the National Leadership Honor Society.

He received degrees from the Peabody Conservatory and Johns Hopkins University.

BOOK SHELF

James G. Beierlein, professor of agricultural economics, and Barbara K. Wade, affiliate associate professor of agricultural and extension education.

Navigating Your Future: The Principles of Student Success, published by Houghton Mifflin.

The book challenges students to take responsibility for their own success, emphasizing active and collaborative learning through the use of case studies. Exercises in the text deal with the diversity, use of the Internet and personal responsibility. Journal

exercises are used to develop student self-awareness.

Alistair B. Fraser, professor of meteorology.

The Rainbow Bridge: Rainbows in Art, Myth and Science, published by Penn State Press, 2001.

Co-authored by Raymond L. Lee Jr., this book explores the rainbow's scientific, artistic and folkloric visions. In addition, the book explores the rainbow from the perspectives of atmospheric optics, art history, color theory and mythology.



Focus on Research

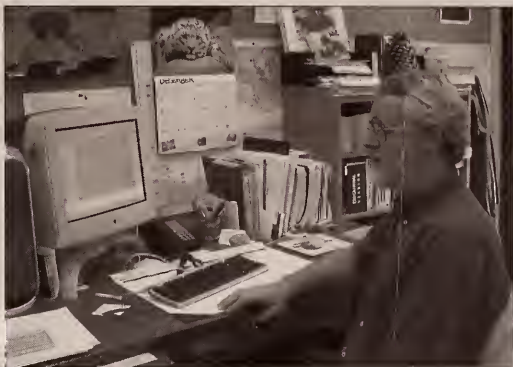
Rainforest may not be sustainable

Talk of saving the rainforests is as burned into the collective minds of people as refrains to "Save the Whales" and to "Make Love, Not War." Without action, however, the day when there are no tropical rainforests to talk about could come a lot sooner than people think, according to a Penn State Abington researcher.

James "Bud" Alcock, professor of environmental sciences, has developed a mathematical model to study the effect of human-driven deforestation. Current rates of about 1 percent per year in the Amazon River Basin rainforest in Brazil could push the rainforests past the point where they can sustain themselves a lot sooner than many people think. Other key tropical rainforests are in the Congo River Basin in Africa and Southeast Asia.

To use the 2-million-square-mile Amazon River Basin as an example, Alcock said his model shows that if there's no immediate and aggressive action to change current agricultural, mining and logging practices, the rainforest could pass "the point of no return" in 10 to 15 years. When all is said and done, the model indicates that the rainforest could essentially disappear within 40 to 50 years. That's a far cry from the common belief among researchers that the forest is still 75 to 100 years away from total deterioration, if current patterns prevail, said Alcock.

"Because of the way tropical rainforests work, they are dependent on trees to return water to the air," said Alcock, noting that the sheer size of the Amazon River Basin has already been reduced by about 25 percent. "This interdependence of climate and forest means risks to the forests are much closer at hand than what we might expect, and we're doing very little because of the priorities of Brazil and The Congo. It's a very difficult



James "Bud" Alcock, professor of environmental sciences at Penn State Abington has developed a mathematical model to study the effects of human-driven deforestation on rainforests.

problem because of several pressures. For example, you can't say, 'leave the rainforests alone' when people are living in poverty."

Rainforests are dependent on high levels of precipitation brought on by daily rain, and a healthy forest holds onto the rain and returns it to the atmosphere so it can be recycled — a process called evapotranspiration. Without a healthy base of vegetation, water runoff occurs at a higher rate, and it creates the potential for a highly unstable rainforest system.

There are those who espouse preserving

small portions of the rainforest, but Alcock said damage to the overall system would probably limit the rain necessary to do that. Less rain could mean more forest fires, further threatening the balance of the rainforest.

While others have studied the effect of tropical rainforest deforestation on regional and global climates, Alcock said his study differs because it focuses on the local impact of the issues. In the Amazon River Basin, for example, loss of the forest would likely cause the extinction of many species of animals that thrive in such an environment, he said.

FROM THE EXPERTS

Web site answers consumer queries about food safety

Consumers with questions on food safety, storage and preparation now have a new Internet resource, thanks to researchers in the College of Agricultural Sciences.

The Penn State Food Safety Web site, <http://foodsafety.caas.psu.edu/>, is a convenient resource for consumers, educators and the food industry. According to site author Ian LaBorde, assistant professor of food science, the site was a response to public and professional confusion.

LaBorde said surveys indicate that many people look to the Internet for food safety information, but can't find what they need. Commercial sites, for instance, may lack objectivity or be too disorganized or lengthy for convenient use. Others contain outdated information.

"Consumers can access our site for food safety information from University researchers, extension educators and government authorities," LaBorde said. "They also can get up-to-the-minute information on issues like E. coli contamination, pesticides, food additives, mad cow disease and biotechnology."

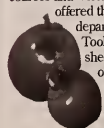
The site contains links to more than 1,200 reviewed food safety-related Web resources. The Food Safety News and Features section offers daily updates on general food safety, diseases and genetically modified organisms. In addition to links to federal agencies like the Food and Drug Administration, the Centers for Disease Control and the Environmental Protection Agency, the section offers a special "Rumor Control" feature which debunks the latest misinformation.

Central to this Web site are two easily searchable databases:

■ **The Food Safety Database** divides the food system into four sectors: consumer, food service/retail, processing and production. There are Web links to research and extension publications, position papers from commercial and trade organizations, and government regulations.

■ **The Food Preservation Database** contains links to specific procedures for safe canning, freezing, drying, smoking and curing of foods.

The Web site also provides a link to courses and workshops on food safety offered through the food science department; an "Educator's Toolbox" of brochures, fact sheets, videos, posters and other materials; and a list of additional food safety-related contacts and Web sites.



Materialistic kids wield hefty purchasing power

A national study of materialism in 9- to 14-year-olds, led by a marketing researcher in The Smeal College of Business Administration, suggests that more materialistic youth tend to shop more and save less, expect their parents to spend more on Christmas and birthday presents, and that parents who are more materialistic tend to have children who are more materialistic.

"Materialistic 9- to 14-year-olds — called 'twens' — are most interested in new products and most responsive to advertising and promotional efforts. Their parents view them as more expert with regard to the products and these children wield more purchase influence on their

parents," said Marvin E. Goldberg, professor of marketing and lead author of the study. Goldberg authored the study with Laura Peracchio of the University of Wisconsin; Gerald J. Gorn of Hong Kong University of Science and Technology; and Gary Bamossy of the University of Utah. Children account directly for an estimated \$36 billion in sales annually and when their indirect influence over far-ranging product decisions from stores to vacations is considered, the estimate of the total economic spending impacted by children in the United States is \$290 billion, Goldberg said.

It is estimated that by age 10 the average child makes five trips a week either to

a store or a shopping center.

"Over the past decade or so marketers have increasingly targeted the 27 million youth that are 9 to 14 years old. Midway between early childhood and adolescence, they have been labeled 'twens' and this subsegment has drawn the attention of a broad array of marketers," Goldberg said. Goldberg points out that while there is concern regarding materialism among youth, very little research has focused on the issue and that the study's findings are intended as an exploratory effort to understand materialism as a phenomenon among youth and how it relates to other aspects of their environment.

Department of Public Information
 312 Old Main, University Park,
 PA 16802
 Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial assistant/calendar

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Before and after



Over the years, a once-scenic pond on the Penn State Wilkes-Barre campus fell into disrepair, until it eventually dried up and became overrun by weeds and grass, left.



After extensive renovations, a double-tiered pond now beautifies the area near Hayfield House on the campus.

Penn State Wilkes-Barre landscape renovated

During the spring and summer months, several improvements have been made to the campus at Penn State Wilkes-Barre.

The campus arboretum was upgraded with walkways widened and paved, new lamp posts installed and benches added. Stone walls taken from another part of the campus were rebuilt by technical staff to enhance and protect the entrance to Hayfield House.

A scenic pond near Hayfield House was also restored. In the heyday of Hayfield Farm when the property was owned by coal magnate John N. Conyngham and his wife, Bertha, it had an oriental pond. Over the years, the pond fell into disrepair, dried up and was over-run by weeds. About all that was left to mark the spot was a small stone bridge.

Due to the generosity of several local companies and organizations, a new,

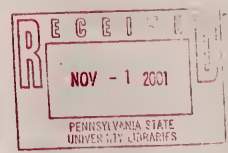
double-tiered pond has been installed on the campus between the Athletics Building and Hayfield House. A ribbon-cutting ceremony was held recently dedicating the pond to the memory of Robert A. Rave.

The Rave family's landscaping business donated more than 50 percent of the materials to make the pond a reality. Several other local companies also donated materials.



Intercom

INFORMING THE PENN STATE COMMUNITY



SEPTEMBER 27, 2001

Spanier highlights progress, presents vision

By TYSEN KENDIG
Public Information

Calling for an embrace of information technologies as a powerful tool that can enhance education, President Graham B. Spanier presented his seventh State of the University address with a bold vision for the cultivation of teaching, research and service in the digital age.

"Our willingness to change will be critical to Penn State's future success," said Spanier. "Technology allows us to overcome

the obstacles of time, place and distance that only a generation ago were viewed by many as insurmountable barriers. And education is being touted as a key to the growth of democracy and economic prosperity."

Citing overwhelming statistics of Internet usage worldwide, Spanier reviewed current Penn State programs designed to effectively tap into this rapidly expanding medium of information exchange. Among these is the Penn State World Campus, which has attracted \$4.5 million in outside funding since its inception and last year generated 5,000 enrollments from all 50 states and from 45 countries.

"We have worked hard to build the World Campus within the mainstream of the University, making it part of an institution-wide environment of innovation, and the results have been remarkable," said Spanier, noting that the World Campus recently was selected as part of a team of education providers that will provide distance learning opportunities to an estimated 15,000 soldiers stationed around the world.

He also pointed to the success of the new School of Information Sciences and Tech-

Address, page 2

BOT approves request for appropriation

By TYSEN KENDIG
Public Information

The University is seeking a 4.25 percent base state appropriation increase for the 2002-2003 academic year. In addition, the University is asking for a \$12 million increase for special appropriations to support information sciences and technology, agricultural research and cooperative extension, the College of Medicine and the Pennsylvania College of Technology's workforce development.

The Board of Trustees on Sept. 21 approved the request for \$360.75 million, a \$25.94 million increase over the 2001-2002 state appropriation.

"Penn State is the institution of choice for the plurality of the Commonwealth's most talented students, and a major con-

Trustees, page 2

Professor strives to turn students into expert engineers

Editor's note: This article is the first in a series of articles that underscore the accomplishments of University faculty to improve teaching and learning.

By CELENA KUSCH
Teaching and Learning Consortium

Stephen R. Turns, professor of mechanical engineering, has been a role model for effective innovation in teaching, while achieving success in research and service to the University.

Turns, who was the 1997 winner of the Milton S. Eisenhower Award for Distinguished Teaching, has made a science of

Professor, page 3

Showing American pride



Thousands of people turned out on the University Park campus and in downtown State College for the American Pride Parade and Rally Sunday afternoon, Sept. 23. For more photos from the event, go to <http://www.psu.edu/ur/flash/parade.html>.

Photo: Greg Grieco

Appropriation

Continued from page 1

tributor to workforce development," according to a report on the state appropriation request. "Penn State is the principal engine of research and technology transfer in Pennsylvania and the major source of university outreach. One in every two Pennsylvania households has someone participating in Penn State programs."

President Graham B. Spanier explained that it is the University's practice to bring the budget plan and state appropriation request before the board for review and approval before sending it on to the Commonwealth. Last year's state appropriation was \$334.81 million.

Address

Continued from page 1

nology (IST), citing Penn State as "the first university in the nation to emphasize leadership and management in the field." The school now serves 2,231 degree-seeking students through more than 80 faculty at 19 Penn State locations across the Commonwealth. This semester, the school admitted its first doctoral students, and ground is being broken next month for a new IST building at University Park.

Spanier also announced that the University is launching three new Web initiatives: the Penn State Web portal, a personalized communication service that brings together Penn State academic information, services and business applications into one easy-to-use site; Penn State Web mail, which allows a user to access e-mail from any computer at any location in the world with an Internet connection and a browser; and a new University home page, along with a new Web identity program and more user-friendly system of links. The new home page is up and running at <http://www.psu.edu/>.

"Our students have gotten a taste of a world without walls," said Spanier. "The Internet has provided them with that, and we must find a way to expand our traditional methods to reach new audiences and educate students who have never known a world without the compact disc."

"We cannot and should not deny these students the vast learning opportunities offered through new technologies. We cannot and should not deny ourselves the possibilities of more interactive learning, a more productive work environment and the ability to extend our reach to millions of new learners."

Before unveiling his roadmap to meet these innovative possibilities, Spanier reviewed impressive accomplishments from the past year, including record-setting levels of alumni giving and research expenditures and funding.

This past year we witnessed progress as great as any year in our history. At the same time, it was a year of tremendous chal-

Board of Trustees approves University's 2002-03 capital budget request

The Board of Trustees on Sept. 21 authorized the University to request \$100.13 million for capital budget projects from the state Legislature for the fiscal year 2002-2003.

This includes a total of \$91.1 million for construction projects and \$9.03 million for original equipment. The bulk of the construction funding request is \$71.1 million in projects that were previously authorized by the Legislature but were in jeopardy of lapsing due to sunset provisions in the authorization bill.

Each year at this time, the University's capital budget request is updated and, after approval, is submitted to the Department of Education for consideration by the Legislature.

For the full story, check the Web at <http://www.psu.edu/ur/2001/bot21sept01budget.html>.

An appropriation increase of \$13.94 million is being requested to support basic operating costs. Special emphases are improving faculty and staff salaries, meeting escalating health care costs and providing support for facilities improvements and deferred maintenance.

To address salary concerns, the budget

plan includes a 3 percent increase in the salary pool. In addition, the Faculty/Staff Excellence Fund — supported by new tuition income — will be continued for special merit, market and equity concerns, and the entire President's Excellence Fund will be designated to recognize top-performing faculty and staff.

The third area of emphasis in the basic operating budget is funding for critical needs in three areas: the maintenance and operation of new or newly renovated facilities; deferred maintenance.

For the full story, check the Web at <http://www.psu.edu/ur/2001/bot21sept01prop.html>.



President Graham B. Spanier gave a multimedia presentation during his State of the University Address on Sept. 21.

Photo: Greg Grieco

lenge," said Spanier, renewing the University's commitment to diversity and inclusiveness throughout the University community.

He attributed much of the progress in philanthropy to the generosity of alumni. For the fourth consecutive year, Penn State was the nation's top university in the number of alumni donors, with 71,423 graduates making gifts.

In all, 117,000 donors contributed a record-breaking \$177 million to Penn State, helping push the University past its initial \$1 billion Grand Destiny Campaign goal two years ahead of schedule. This support has led to an increased goal of \$1.3 billion.

"This campaign has allowed us to create more than 1,200 endowments to support students, faculty and programs," said Spanier. "More than one-third of all the University's endowments have been created in just the past six years. During this same period, our loyal donors have contributed more funds than in the prior 140 years combined."

Research at Penn State also has reached

unprecedented levels. Spanier reported total grant and contract expenditures for research in excess of \$470 million last year, a new record high and a 7 percent increase over the prior year. In fact, research funding has increased by 37 percent over the past six years.

Another "forward-looking indicator of our progress," according to Spanier, is a \$100 million increase in new research and scholarship funding in the last fiscal year, a boost of 24 percent that brings total external awards for research, instruction and continuing education to \$481 million.

"This not only sets a new mark for us but also reinforces our status as one of the premier centers in the world for scholarship and the creation of knowledge," added Spanier.

Other accomplishments cited throughout Spanier's speech — which began with a moment of silence in memory of the victims of the tragic attacks on Sept. 11 — include:

■ A controlled growth pattern that has

Check the Web

For the full text of the president's State of the University address, go to <http://www.psu.edu/ur/GSpanier/sou/sou2001.html>.

resulted in an increase in the number of freshmen and sophomores who begin their work at a campus other than University Park and complete their degrees at that location;

■ Completion of the design, construction and renovation of more than 200 facilities projects at all 24 University locations, part of a recently updated five-year, \$769 million capital improvement plan;

■ The implant of the first heart-assist device powered via wireless electric transmission at the Penn State Milton S. Hershey Medical Center; and

■ Receipt of \$7.4 million as the first installment of an annual allocation to support research in the medical and life sciences fields and development of a biotechnology greenhouse in central Pennsylvania. The funds are part of the state's \$11.6 billion tobacco settlement proceeds.

But information technology pervaded Spanier's remarks, as he reviewed the University's innovative use of technology in fields such as medicine, engineering, chemistry, business, architecture and law. He also touched upon the University's involvement in the Worldwide Universities Network, a collaboration for the development of coursework and graduate programs that focus on interdisciplinary areas of global significance.

"As a university, we are an integral part of the success of our nation in this new knowledge economy," said Spanier. "We are experiencing our own evolution — some might call it a revolution — as we work to deal with changing demographics, globalization and the rapid advances in information technologies."

"The greatest barrier to more effectively integrating technology into our curriculum, business practices and support services will not be the technology itself, but our attitudes toward it."

HIGHLIGHTING FACULTY ACHIEVEMENT

Professor

Continued from page 1

teaching thermal fluid engineering. His current research focuses on the interactions of radiation, soot and pollutant formation in flames, but his teaching goes beyond specialty courses on combustion. He has taught every course in the thermal fluid side of the mechanical engineering curriculum so he could see for himself how the courses are connected.

"When you have a great teacher like Steve, it is an inspiration to others," said Richard Benson, professor and head of the Department of Mechanical and Nuclear Engineering. "Based on his example, a number of faculty have since decided to do the same thing."

Turns also has delivered faculty seminars about his innovative teaching practices based on his review of the problem-solving practices of students and experts.

"The research shows that the novice has disjointed ideas, but the expert has structured various concepts holistically," Turns explained. "Beginning students tend to see things as uniformly important and as a result may not know where to start when they encounter an unfamiliar problem or situation. Helping students develop these structures is important to their progress."

It also is the basis for the textbook Turns is working on. The book attempts to arrange concepts hierarchically.

"Mechanical engineers know what is important, but most textbooks do not tell you how concepts fit within a hierarchy," he said. "I put related concepts together in the text, starting from the simplest to the most complex. Thus, students see more directly how more advanced topics are connected to the simpler ones. I hope that this arrangement will help students to learn better and faster."

The new text, *Thermal-Fluid Sciences: An Integrated Approach*, integrates a series of courses currently taught and also reflects Turns' emphasis on "real world" applications. The manuscript uses fundamental engineering principles with examples of applications as widely diverse as a fossil-fueled steam power plant, a solar-heated building and a jet engine. Turns believes that these complex applications are a necessary part of learning.

"Real problems in the real world are fuzzy and ambiguous, and they have multiple possible solutions," he said. "Students need practice with the kind of problems they will see when they become engineers."

In the classroom, Turns focuses on design projects and in-class team problem-solving to build the student experience. The engineering accreditation board, of which Turns is a program evaluator, also has been emphasizing the importance of design in undergraduate classes. This focus has led Turns to promote an active learning environment in his classes.



Profile: Stephen R. Turns

Name: Stephen R. Turns, professor of mechanical engineering

Began teaching at Penn State: 1979

Research interests: Combustion and combustion-generated air pollution and control

Teaching philosophy: Turns strives to teach the way he would want his own sons to be taught. "I have been moving more and more toward a coaching role in teaching," he says. "I feel that you have to be truly interested in the students and their progress in learning."

Teaching award: 1997 Milton S. Eisenhower Award for Distinguished Teaching

Education: Bachelor of science, master of education, 1970 from Penn State; master of science, master of education, 1974, from Wayne State University; doctoral degree, 1979, from University of Wisconsin-Madison

Family: Turns has been married for 31 years and has two sons, ages 21 and 23.

Hobbies: Amateur trumpet player, eclectic reader

Lectures, he believes, need to have dialogue, and he calls on students by name to encourage participation and in-class problem-solving. According to Turns, the stu-

dents are challenged by their active roles in the course, but not discouraged.

"I get feedback from my students that my courses are tough," Turns admitted,

"There are many new innovations in teaching that never get beyond the borders of the academic department. There are always new things happening in the courses our faculty teach, but unless we take pains to communicate these efforts, few will be able to learn from them."

*Richard Benson, professor and head
Department of Mechanical
and Nuclear Engineering*

"but that they learn a lot. They are solving the problems, not watching me do it, and that leads to success. There have been times when I ran an exercise and no one left at the end of the class period."

Benson credited Turns' success to his enthusiasm and his ability to link his teaching to his research.

"His research shows up in his teaching and in his textbooks," Benson noted.

Turns conducts research on combustion at the University's Propulsion Engineering Research Center. He also has performed sponsored research for NASA, the Gas Research Institute, the U.S. Department of Energy, the U.S. Air Force, and Air Products and Chemicals Inc. His first textbook, *An Introduction to Combustion: Concepts and Applications*, was based on his research and contact with engineers in industry. Now in its second edition, it serves as a comprehensive introductory text on combustion for undergraduates and first-year graduate students, as well as practicing engineers.

"Steve's textbook on combustion is widely used in the U.S. and abroad, and it has been translated into Korean," Benson said. "I see the book on many bookshelves when I visit other colleges."

Benson added that Turns' dedication to research and teaching has advanced the reputation of the department as a whole. Turns recently completed service as the professor-in-charge of the department's graduate program. During his tenure, Turns' innovative approaches to graduate recruits as both students and future researchers contributed greatly to the program's success, Benson noted.

"Thanks to his legacy of graduate recruiting, our enrollment has been excellent in a period when many engineering programs were experiencing declining numbers of students, and the high quality of our graduate students has strengthened the program in all sorts of ways," he said.

Benson continued, "Steve Turns epitomizes the all-around faculty member with innovative teaching, highly successful research and outstanding service leadership in guiding the departmental programs."



Lectures

Keene address topic is master's degrees

Debra W. Stewart, president of the Council of Graduate Schools, will be the keynote speaker for the annual Graduate School Faculty Workshop to be held from 8:30 a.m. to 1:15 p.m., Oct. 3 at The Nittany Lion Inn on the University Park campus.

Stewart's talk, titled "The Changing Landscape of the Master's Education at Research Universities: Implications for the Future," will address recent and emerging trends in master's education. She also will discuss innovation in curricular design and delivery and changing enrollment patterns nationally.

Following Stewart's talk, a panel of University faculty members will share their ideas regarding master's degrees at Penn

State and will give insight into ways of conceiving new degrees or modifying traditional master's degrees to meet today's needs. Panelists also will examine data on the history of master's degrees and the future of these degrees in their respective disciplines, and will offer their thoughts on the MBA program, the Sloan professional master of science degrees, the World Campus' master of education degree, master's degrees for part-time/returning students and recent changes to some traditional master's degrees.

For information, e-mail Richard H. Yahner, associate dean of the Graduate School, at ryh@psu.edu.

'State of the Times' will be the forum's topic

Janet Robinson, president of *The New York Times*, will deliver the Penn State Forum lecture at noon Friday, Oct. 5, at the Penn State Conference Center Hotel on the University Park campus.

The topic of her presentation is "The State of the Times."

Robinson was named senior vice president, newspaper operations for *The New York Times* Co. last year and is responsible for leading the operations of all the company's newspaper properties. She retains her position as president and general manager of *The New York Times* newspaper, which she has held since 1996.



Janet Robinson

The Penn State Forum is a luncheon speaker series offered by the Faculty Staff Club and is sponsored in part by the Penn State Bookstore. It is open to the public. Tickets are \$10 for members and \$12 for non-members and include lunch. Reservations can be made by mail or by stopping by the Faculty Staff Club office at 109 HUB-Robeson Center. Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. followed by the speech and a question-and-answer session at noon.

For information call (814) 865-7590.

Topics range from roads to system analysis

The Department of Geography has scheduled a number of seminars for late September through early November at University Park.

Coffee sessions are at 3:30 p.m. with all seminars beginning at 4 p.m. The schedule follows:

■ **Sept. 28:** "Canal Boats and Cyberhighways: Infrastructure in Pennsylvania, Moscow and Tokyo," by Phillip Gershelman from the Department of Geography at the University of Minnesota, 301 Steidle Building.

■ **Oct. 12:** "China's Village Landscapes and Global Biogeochanical Change," by Earl Ellis from the Department of Geography and Environmental Science at the University of Maryland-Baltimore County, 273 Willard Building.

Public issues forum talks about alcohol

A public issues forum on "Alcohol: Controlling the Toxic Sip" will be held from 9:00 to 9:30 p.m. Wednesday, Oct. 17, in the HUB-Robeson Center on the University Park campus.

Sponsored by the Partnership: Campus and Community United against dangerous drinking, in cooperation with the State Col-

lege Area School District Community Education and the *Centre Daily Times*, the forum will examine dangerous drinking and all that it can involve, including injury, sexual assault, vandalism and property damage.

Free food and refreshments will be served. To register, call (814) 231-1062.

■ **Oct. 19:** "Multiscale Advanced Raster Map Analysis: System Definition, Design and Development," G.P. Palati, distinguished professor of mathematical statistics, Eberly College of Science, 301 Steidle Building.

■ **Oct. 26:** "Time Does Not Tell: Path Dependency in a Globalizing World, The Case of the World Watch Industry," presented by Amy Glasmeier, professor of geography, College of Earth and Mineral Sciences, 301 Steidle Building.

■ **Nov. 2:** The G.I. Bill and the Changing Geographies of U.S. Higher Education, Jennifer Adams, graduate assistant in the Department of Geography, 301 Steidle Building.

Larry Flynt hustles for First Amendment lecture

Publisher and First Amendment advocate Larry Flynt will present a free public lecture at 8 p.m. Thursday, Oct. 4, in Heritage Hall at the HUB-Robeson Center on the University Park campus.

The lecture will be presented by the Pennsylvania Center for the First Amendment.

Flynt, controversial publisher of *Hustler* magazine and subject of the 1996 movie "The People vs. Larry Flynt," attracted attention during the impeachment proceedings of President Clinton by using a full-page advertise-



Larry Flynt

ment in the *Washington Post* and offering \$1 million to anyone who could "provide documentary evidence of illicit sexual relations with a congressman, senator or other prominent officialholder." Information received from that offer led to the resignation of House Speaker-elect Bob Livingston.

Along with Flynt's lecture, organizers also plan a free screening of the movie about Flynt at 7 p.m. Tuesday, Oct. 2, in Carnegie Cinema, 113 Carnegie Building.

Comparative Literature Luncheon lists talks

Two speakers have been scheduled for the Comparative Literature Luncheon series, a weekly informal luncheon gathering of students, faculty and other members of the University community.

The events begin with lunch from 12:15 to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy something in Kern cafeteria. Coffee and tea are provided. The speaker will begin at 12:40 p.m. Speakers are:

■ **Oct. 1:** William Boelhower, professor in

the Department of English and American Studies, University of Padua, Italy, on "We the People: Where Does Sovereignty Lie in Multicultural Societies?" He also will speak "Comparing Multicultural Societies: Rights and Biopolitics in America and Europe" from 2:30 to 3:30 p.m. in 306 Burrows Building.

■ **Oct. 15:** John Carlos Rowe, University of California, Irvine, on "Comparative Literature and Institutional Change."

For information, e-mail Daniel Walden at dxw8@psu.edu.

The events are free to the public.

Pulitzer recipients to lead Foster conference

Authors Richard Ben Cramer and David Maraniss, Pulitzer Prize winners who have written books about politics and sports, will visit University Park Oct. 3 and 4 for the semiannual Foster Conference of Distinguished Writers.

Cramer, author of *Joe DiMaggio: The Hero's Life* and *What It Takes: The Way to White House*, earned his Pulitzer Prize for international reporting while working for the *Philadelphia Inquirer* in 1977 for his coverage of fighting in the Middle East.

Maraniss, author of *When Pride Still Mattered: A Life of Vince Lombardi* and *First*

in His Class: A Biography of Bill Clinton, earned his Pulitzer Prize for national reporting while working at the *Washington Post* in 1993.

The conference includes two sessions free to the public.

The writers will read from and discuss their books about sports at 7 p.m. Wednesday, Oct. 3, in 121 Sparks Building. The second session follows the same format. The authors will read from and discuss their political books at 9:45 a.m. Thursday, Oct. 4, in Foster Auditorium of Pattee Library.

Wireless industry is theme for WebGIS conference

Imagine having an emergency in an unfamiliar town, calling 911 on your cell phone, and having the dispatcher know automatically where to send help because your phone has a self-locating capability.

The promises and issues related to that technological advance are the focus of WebGIS/GeoWireless 2001 to be held Oct. 22 and 23 on the University Park campus.

Sponsored in its third year by the University's School of Information Sciences and Technology, the conference will feature keynote remarks by U.S. Rep. John Peterson and Mark Putterman, manager of business

development, IBM Location-Based Services.

The conference will explore business, public service and commercial applications along with the multiple impacts of each. Discussion includes new WebGIS technologies, automatic crash notification and related topics, new opportunities for the wireless industry and location-based services, and future prospects for the geo-spatial industry.

For information, call Carolyn Andersen at (814) 863-5143, e-mail conferenceinfo@outreach.psu.edu or check the Web at <http://www.GoGeoSpatial.org>.

Methods of estimating crop yields to be topic

Xianzeng Niu, a doctoral candidate in soil science, will present "Can Remote Sensing Help Improve Regional Crop Yield Estimation?" from 3:35 to 4:25 p.m., Sept. 28 in 107 Agricul-

tural Sciences and Industries Building on the University Park campus. The host is the Department of Crop and Soil Sciences. For information, call (814) 863-1601.



More Lectures

Davis, Pitts among scheduled fall speakers

The Department of Labor Studies and Industrial Relations is planning a number of speakers and workshops on the University Park campus.

The schedule follows:

■ **Thursday, Oct. 18:** Labor Studies and Industrial Relations Professional Workshop, "Developments in Dispute Management and Resolution," 102 Kern Building, 1 to 4 p.m. Event is free to the public. For information, call (814) 865-5425.

■ **Thursday, Oct. 18:** Doreen Davis, chair of the Labor and Employment Law Department at Morgan, Lewis & Bockius LLP will speak at 8 p.m. in the Alumni Hall of the Hub-Robson Center. The Labor Studies and Industrial Relations Distinguished Alumni Speech is free to the public. For information, call (814) 865-5425.

■ **Friday, Oct. 19:** The Labor Studies and Industrial Relations Affiliated Program Group will hold its semi-annual board meeting at 8 a.m. at the Penn State Conference Center Hotel.

■ **Tuesday, Oct. 23:** Clare Midgley of London Guildhall University, London, will discuss "British Anti-Slavery and Feminism in Transatlantic Perspective" during a Gender History Workshop from 4 to 5:30 p.m. in 102 Weaver Building.

■ **Thursday, Oct. 25:** Miami Herald columnist

Leonard Pitts will speak on race and gender at 7:30 p.m. at Heritage Hall in the Hub-Robson Cultural Center. He is the African and African-American Studies Cyril Griffith Speaker Series distinguished lecturer. For information, call (814) 863-4026 or email ards@psu.edu.

■ **Friday, Nov. 2:** Rena Repetti, associate professor of psychology at UCLA, will speak on "Research on the Effects of Daily Job Stress on Family Interactions" at noon in 102 Weaver Building. Lunch is provided from 11:45 a.m. to noon. Repetti is part of the Labor Studies and Industrial Relations Work Family Speaker Series. The event is free to the public. For information, call (814) 865-5425 or check the Web at http://isrla.psu.edu/what_f.htm.

■ **Tuesday, Nov. 6:** The Women's Studies Program Fall Undergraduate Forum will be held from noon to 3 p.m. in Alumni Hall at the Hub-Robson Center. For information, call (814) 863-4025.

■ **Tuesday, Nov. 6:** Amy Richards, cofounder of the Third Wave Foundation, and Lebwah Sykes, membership network coordinator of the Third Wave Foundation, will speak on "Barbies and Boycotts: Third Wave Feminism" at 3 p.m. in the Palmer Museum of Art. The event, part of the Women's Studies Program's Feminist Scholars Series, is free to the public. For information, call (814) 863-4025.

Science conference aimed at middle-schoolers

The Women in the Sciences and Engineering Institute will hold its 12th annual Expanding Your Horizons Conference in Science, Mathematics and Engineering on Saturday, Oct. 13, on the University Park campus.

The event is aimed at sixth-, seventh- and eighth-graders, their teachers and parents.

The conference's primary goal is to interest young women in scientific/technical careers by providing them with knowl-

edge and experiences related to these types of careers.

The group will convene in 101 Thomas Building and then disperse to workshops held in various labs and classrooms across the campus.

The program fee is \$7 per participant and includes lunch. For information or a registration form, call (814) 865-3342, e-mail cxg1@psu.edu or visit the Web at <http://www.psu.edu/dept/wise/>. The institute's fax number is (814) 863-0085.

Workshop set on leveraging web technology

Ian Hau, vice president, cross functional process design at GlaxoSmithKline, will conduct a workshop on "Transforming Processes in University Systems by Leveraging Web Technology" from 8:30 a.m. to noon Friday, Oct. 19, at The Penn State Conference Center Hotel on the University Park campus.

Hau will share GlaxoSmithKline's "Fast Cycle Change" (FCC) process. FCC is used

to identify and realize large improvement opportunities through redesigning processes and leveraging technology.

"The Web Strategies Implementation Team and the Center for Quality and Planning are co-sponsoring the session.

To register for the workshop, which is free to faculty and staff, call (814) 863-8721 or e-mail psucgp@psu.edu.

Nobel laureate's speech topic will be rationality

James Mirrlees, 1996 Nobel laureate in economics, will give a public lecture titled "Evolution and Rationality" at 4 p.m. Wednesday, Oct. 3, in 102 Kern Building on the University Park campus.

Mirrlees has published widely on the optimal taxation of income and welfare econo-

mics. He was awarded a Nobel Prize in 1996 for his work, which has become a principal constituent of the modern analysis of complex information and incentive problems in economics. The lecture is free to the public.

For information, call James Jordan at (814) 865-2201 or e-mail jjx13@psu.edu.

PROMOTIONS

Technical Service

Paul W. Carothers, heating and ventilating technician in Office of Physical Plant
Heather M. Deitrich, group leader guest room attendant at The Penn State Conference Center Hotel

Dale H. Eckley, maintenance worker equipment repair in Office of Physical Plant
James P. Frey, printing press operator in Business Services

Stephen D. Hockner, refrigeration technician in Office of Physical Plant

Travis B. Long, printing press operator in Business Services

Dennis L. Smith, heating and ventilating technician in Office of Physical Plant

Staff

Christian K. Appelman, assistant coach II in Intercollegiate Athletics

Daria K. Baker, library assistant I in University Libraries

Kathleen C. Barefoot, staff assistant VI in College of Health and Human Development

John F. Blasdell, area representative II at Penn State DuBois

David A. Boser, associate research engineer in Applied Research Laboratory

Laura S. Bortas, administrative assistant I at Penn State DuBois

Kenneth M. Borthwick, applications system analyst in Division of Outreach and Cooperative Extension

William J. Burkhard, associate director, information systems operations in College of Engineering

Diane K. Byron, purchasing agent in Housing and Food Services

James B. Caldwell, equipment and facilities coordinator-football in Intercollegiate Athletics

Paul L. Callahan, senior research engineer in Applied Research Laboratory

Mark A. Catalano, manager network and information systems in College of Engineering

Xiaofen Chen, research technician II in College of Medicine, Hershey Medical Center

Worthey C. Cox, library supervisor II in University Libraries

Sarah A. Derber, staff assistant VI in Eberly College of Science

Kirk A. Diehl, coordinator practice facilities in Intercollegiate Athletics

James J. Dreyer, associate research engineer in Applied Research Laboratory

Connie A. Dunston, administrative assistant II at Penn State Berks

Tina M. Eberly, staff assistant VIII in College of Medicine, Hershey Medical Center

Erin M. Edwards, research technician II in College of Medicine, Hershey Medical Center

Gail L. Feldman, publications design assistant in College of Earth and Mineral Sciences

Christine M. Foster, staff assistant VI in Eberly College of Science

Jan E. Foust, staff assistant VI in Business Services

Diane T. Gigliotti, admissions counselor I at Penn State DuBois

Brian A. Hart, manager network and information systems Penn State DuBois

Holly S. Hart, senior undergraduate studies adviser in Division of Undergraduate Studies and Office of the Vice Provost and Dean for Undergraduate Education

Dave C. Hollen, manager, research programmer in Computer and Information Systems

— Center for Academic Computing

Joseph C. Holobar, library supervisor IV in University Libraries

Sandra E. Hoover, staff assistant VI in College of Engineering

Abigail M. Hopkins, project assistant in Office of the Vice President for Research

Robert W. Horner, network support specialist in Eberly College of Science

Christopher J. Hubing, research programmer in Computer and Information Systems

— Center for Academic Computing

Anne F. Hummer, library assistant II at Penn State DuBois

Stephanie M. Irvin, staff assistant V in Business Services

Debra S. Isaher, administrative assistant IV in College of Engineering

Dean I. Kellar, coordinator administration and business services in Applied Research Laboratory

Kimberly A. Kennedy, administrative assistant II in College of Medicine, Hershey Medical Center

Thomas S. Koch, research programmer in Eberly College of Science

Leta A. Krumrine, publications design assistant in Eberly College of Science

Suzanne E. Kutz, financial and accounting assistant in Computer and Information Systems

— Telecommunications

Aaron D. Lathrop, research support technician II in College of Agricultural Sciences

Paul N. Lladis, senior applications programmer/analyst in Office of Budget and Resource Analysis

Diana R. Lyons, staff assistant VI in College of Health and Human Development

Diane L. Lucas, coordinator administrative support systems at Penn State DuBois

Valerie Madinez-Lueke, assistant extension agent in College of Agricultural Sciences



Arts & Entertainment

Artists in residence

Guest artists Eric Rosenblith, violin, and Heng-Jin Park Ellsworth, piano, will present a Brahms' recital at 8 p.m. Friday, Sept. 28 in the Esber Recital Hall, Music Building I, on the University Park campus.

In addition to the recital, Rosenblith will give a presentation at 2:30 p.m. Friday, Sept. 28, in 122 Music Building II about his teacher, Carl Flesch, and his new translation and edition of Flesch's book, "The Art of Violin Playing."

From 11 a.m. to 1 p.m. on Saturday, Sept. 29, both artists will present master classes. Ellsworth will be in the Esber Recital Hall and Rosenblith will be in 122 Music Building II. All events, including the recital, are free to the public.

Exhibits

The following exhibits will be on display in the HUB-Robeson Center on the University Park campus:

■ "Heartdreams and Legends: Story of Two Peoples" runs Sept. 28 through Dec. 4 in the Robeson Gallery.

An international exchange exhibition, "Heartdreams" presents a comparative look at the art and culture of the indigenous Kamilaroi people of New South Wales, Australia, and the Lakota people of the Northern Plains in the United States. Admission is free.

A teacher workshop on Saturday, Sept. 29, at the HUB-Robeson Center centers on the exhibit and will feature speakers about issues that are current to cultural assimilation and art education. The workshop costs \$12. It is free for students and packets can be purchased for \$10.

Information about the exhibit, registration for the teacher workshop and arranging school visits is available at (814) 865-2563.

Visit <http://www.sa.psu.edu/galleries> to learn more about the HUB-Robeson Galleries exhibit schedule.

■ Ceramics by Ian Stainton will be exhibited through Dec. 6 in the wooden cases.

■ Ceramics by Cheri Yarnell will be on display through Dec. 6 in the wooden cases.

■ Ceramic sculpture by Roger Pollok will be exhibited through Dec. 6 in the wooden cases.

For information, call (814) 865-2563.

Allied Motion performs

Allied Motion, the resident dance company of Penn State Altoona, will open the Community Arts Center season with performances at 8 p.m. Sept. 27 and 28 in the Paul R. and Margery Wolf Kuhn Theatre in the arts center.



Prints by Rachel Simon will be on display in 125 Waring Commons, West Halls, on the University Park campus. The exhibit will continue through Dec. 3.

"Passages," a program of three selections from the company repertoire, will be presented.

Tickets are available by calling (814) 949-5451 and at the Community Arts Center Box Office at Penn State Altoona.

For more information, check the Web at <http://www.aa.psu.edu>.

Band, wind ensemble perform

The Symphonic Band and Symphonic Wind Ensemble, under the direction of Dennis Glocke, associate professor of music, will perform a joint concert at 4 p.m. Sunday, Sept. 30, in Eisenhower Auditorium on the University Park campus.

Tickets are \$5 general admission and \$3.50 for students. Tickets may be purchased at the door before the performance.

Exhibit opens at Altoona

"Intimate Perceptions," an exhibition of painting and photography, will open Oct. 3 in the McLanahan and Sheetz Galleries in the Community Arts Center at Penn State Altoona.

The exhibition will run through Nov. 2 and will include works by Nora Sturges of Towson, Md., and Susan Carr of Kalamazoo, Mich. "Intimate Perceptions" is the second exhibit of the Iydsie Juried

Exhibition 2001-2002 featuring 10 nationally recognized artists.

The Division of Arts and Humanities will sponsor a reception for "Intimate Perceptions" from 4 to 6 p.m. Thursday Oct. 4. The event is free to the public.

For information, call (814) 949-5451 or check the Web at http://www.aa.psu.edu/ur/releases/2001/09_10_01.htm.

Art on the Move

The following exhibits are part of the Art on the Move series on the University Park campus.

The program is under the direction of the HUB and Kern Art Galleries, created to focus primarily on the artwork of students.

■ "Photographic Ethnobotany: Peruvian Plants and People" will be exhibited through Oct. 22 in the waiting room at Ritenour Building. This exhibition is the culmination of Benjamin Chernal's honors thesis research in ethnobotanical photography. It consists of 20 photographs showing the biological and cultural richness of the Andes Mountains and Amazon rainforests of Peru. For information, call (814) 865-6556.

■ Paintings by Kevin Slivka, an undergraduate majoring in art education, will be on exhibit through Dec. 2 in 133 Warnock Commons, North Halls. Slivka's exhibit features watercolor, oil and acrylic paintings of figures, landscapes and other

Horses, heavy metal, Spears to take stage at Jordan Center

October shows at The Bryce Jordan Center on the University Park campus range from the family-friendly Royal Lipizzaner Stallions to the teen/adult-oriented heavy metal festival to teen pop.

Britney Spears, with special guest O-Town, will perform at 7:30 p.m. Thursday, Nov. 8, at The Bryce Jordan Center on the University Park campus.

Tickets go on sale at 10 a.m. Saturday, Sept. 29, and are \$41.50, \$52 and \$68.50 for reserved seating. Wristbands will be available from 8 a.m. until 6 p.m. Friday, Sept. 28, and from 8 to 9 a.m. Saturday, Sept. 29. Wristbands are for those purchasing tickets at The Bryce Jordan Center only.

The Royal Lipizzaner Stallions will prance and stamp onto the stage for shows at 2 and 7:30 p.m. Saturday, Oct. 20, at the Jordan Center.

Tickets are \$19.50 and \$17.50 for adults; \$17.50 and \$15.50 for children and seniors. Limited Gold Circle seating also is available for \$24. All seats are reserved.

The Pledge of Allegiance Tour, a heavy metal festival, will bring five bands to play at 6:30 p.m. Friday, Oct. 26, at The Bryce Jordan Center.

Headlined by Slipknot and System of a Down, the four features Rammstein and Mudvayne. Minneapolis-based American Head Charge will open the show.

Reserved tickets and general admission tickets are priced at \$37.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth campus ticket outlets, by phone at (800) 865-5555 or online at <http://www.bjc.psu.edu/>.

scenes: For information, call (814) 865-2890.

■ Photo prints by senior Rachel Simon will be exhibited through Dec. 3 in 125 Waring Commons, West Halls.

For information, call (814) 865-5951.

Etchings displayed

Etchings by Enrica Ruiz will be exhibited through Dec. 5 in the first floor lobby of the Kern Commons Building on the University Park campus. Ruiz's etchings are presented framed and incorporated into address books and notebooks.

For additional information, call (814) 865-3027.



University Park Calendar

September 28 - October 7

SPECIAL EVENTS

Friday, September 28

"Drawings by John F. Kensett," gallery talk by Julia Dolan, noon, Christoffers Lobby, Palmer Museum of Art.

Saturday, September 29

The Microcomputer Order Center Open House, 8:30 a.m. to 5 p.m. Sept. 28 and 9 a.m. to 2 p.m. Sept. 29, 12 Willard.

MUSIC

Friday, September 28

Eric Rosenblith on "The Art of Violin Playing," 2:30 p.m., 122 Music II.

Eric Rosenblith, violin, and Heng-Jin Park Ellsworth, piano, Brahms' recital, 8 p.m., Recital Hall, Music I.

Sunday, September 30

The Symphonic Band and Symphonic Wind Ensemble, Dennis Glocke, director, 4 p.m., Eisenhower Auditorium. Tickets are \$5 for general admission and \$3.50 for students at the door.

Monday, October 1

Percussion Studio Recital, Dan Armstrong, director, 8 p.m., Recital Hall, Music I.

Tuesday, October 2

"Directions in Music," Miles Davis and John Coltrane, the 75th birthday celebration featuring Herbie Hancock, Michael Brecker and Roy Hargrove with Brian Blade and John Pettuccio, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Thursday, October 4

Philharmonic and Chamber Orchestras, Gerardo Eldestein, conductor, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Friday, October 5

Faculty Recital, featuring Steven Smith, piano, 8 p.m., Recital Hall, Music I.

Sunday, October 7

Faculty Recital, featuring Evelyn Ellis, clarinet, 3 p.m., Recital Hall, Music I.

SEMINARS

Friday, September 28

Rick Karban on "Communication Between Plants and Resistance to Herbivory," 11:15 a.m. to 12:05 p.m., 101 Thomas.

Ian R. Harrison on "Labview Virtual Instruments and Flash Movies: General Science/Engineering Type Applications of These Tools," noon to 1 p.m., 141 Computer.

Jennifer Glass on "Blessing or Curse? Family Responsive Policies and Mother's Wage Growth," noon, 102 Weaver.

Zhao Ruheng on "Changing China,"

1:30 p.m., Centre County Visitor Center.

Xianzheng Niu on "Can Remote Sensing Help Improve Regional Crop Yield Estimation?"

3:35 to 4:25 p.m., 107 Agricultural Science and Industries.

Phillip Garshelmer on "Canal Boats and Cyberhighways: Infrastructure in Pennsylvania, Moscow and Tokyo," 4 p.m., 301 Steldie.



Etchings by Enrica Ruiz will be on exhibit in the first floor lobby of the Kern Commons Building on the University Park campus. The display continues through Dec. 5. For information, call (814) 865-3027.

Saturday, September 29

Pierce Lewis on "Images in the American Landscape," 2 p.m., 101 Thomas.

Monday, October 1

Sharon Elyshv-Barad on "Transition Metal Mediated Polymerization of Dienes," 11:15 a.m., S5 Desmond Laboratory.

William Boelhower on "We the People": Where Does Sovereignty Lie in Multicultural Societies? 12:40 p.m., 102 Kern.

William Boelhower on "Comparing Multicultural Societies: Rights and Bipolitics in America and Europe," 2:30 to 5:30 p.m., 306 Burrows.

James Hartle on "Quantum Mechanics of Cosmology," 3:30 p.m., 318 Desmond Laboratory.

Tuesday, October 2

Catherine Stampfl on "The Nature and Behavior of Rare-Gas Atoms on Metal Surfaces: Insights from Density Functional Theory Investigations," 3:30 p.m., 339 Davey Laboratory.

Sharon Herbert on "Excavation at Coptos, Egypt: New Excavations at Tel Kedesh," 8 to 10 p.m., 107 Carpenter.

Wednesday, October 3

Ji-Cheng Zhao on a subject to be announced, 11:15 a.m., 22 Deike.

Jamila Bookwala on "Age, Marital Processes and Symptoms of Depression," noon to 1 p.m., 108 Wartik Laboratory.

Vijay Varadan on "Nanotechnology and MEMS and Their Applications to Engineering and Medicine," 3:35 to 4:25 p.m., 114 Earth and Engineering Sciences.

James Mirrlees on "Evolution and Rationality," 4 p.m., 102 Kern.

Sai Restivo on "The Rejection of Transcendence: Science, Religion and the Existential Terrors of Sociology," 4 p.m., 115 Electrical Engineering West.

Richard Ben Cramer and David Maraniss will read excerpts from their books, 7 p.m., 121 Sparks.

Thursday, October 4

Richard Ben Cramer and David Maraniss will read excerpts from their books, 9:45 a.m., Foster Auditorium, Pattee Library.

Ji-Cheng Zhao on a subject to be announced, 11:15 a.m., 22 Deike.

James Hartle on "The Future of Gravity,"

4 p.m., 117 Osmond Laboratory.

Larry Flynt, 8 p.m., Heritage Hall, HUB-Robeson Center.

Friday, October 5

Alejandro Perez on "The Barrett Crane Spin Foam Model," 11 a.m., 318 Desmond Laboratory.

Janet Robinson on "The State of the Times," 11:30 a.m. to 1 p.m., The Penn Stater. For tickets, call (814) 865-7550.

EXHIBITS

HUB-Robeson Center

"Images on Paper," water collages by Richard Hamwi, through Oct. 25.

"You Are Here," collage and quilts by Robert Placky and Debra Placky, through Oct. 24.

"Seeing the World Through Women's Eyes," black and white photography by Kathleen Karp, through Oct. 15.

"Heartdreams and Legends: Story of Two Peoples," Sept. 28 through Dec. 4.

Ceramics by Ian Stainton, through Dec. 6.

Ceramics by Cheri Yarnell, through Dec. 6.

Ceramic sculpture by Roger Pollok, through Dec. 6.

Kern exhibit area

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," photography by Robin Hoekker, through Dec. 5.

Etchings by Enrica Ruiz, through Dec. 5.

Palmer Museum of Art

"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," through Dec. 16.

"The Poetry of Line: Drawings by Henry Pearson," through Nov. 18.

"American Pastoral: Drawings by John F. Kensett," American Works on Paper Gallery, through Dec. 21.

Pattee and Paterno Library exhibit areas

"To Make You Feel Proud: Gender and Sexuality Studies at Penn State," through Oct. 31.

"Beauty Within the War-torn Shadows: Visual Arts and Music of the Civil War Era," through Oct. 28.

"Riding the Keystone Rails — Selections from the Railroad Collections of the Special Collections Library," through Oct. 20.

Ritenour

"Photographic Ethnobotany: Peruvian Plants and People," through Dec. 22.

Warning Commons

Prints by Rachel Simon, through Dec. 3.

Warnock Commons

Paintings by Kevin Silivka, through Dec. 2.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cees.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

New tool hands supervisors reins to Web-based technology training

By MARY JANZEN AZIZ

Computer and Information Systems

Faculty members and staff supervisors now have a new tool enabling them to create customized information technology curricula for groups or individuals. The Program Management Tool, a newly developed Web site serving as a gateway to the more than 750 existing Web-Based Training courses available at the University, was launched this month by the Center for Education Technology Services.

Primarily an organizational and communication vehicle, the tool allows instructors or supervisors to choose the software or technology topics for which their students or staff need the most training, receive feedback from the users on their progress and scores, and compare pre- and post-assessment scores.

According to developers from the center's Technology Training Group, a need emerged in the past few years for faculty members and staff supervisors to be able to cost-effectively assign technology training of their own choosing to specific groups of students or employees. These individuals needed a way to point people to the right course — in the right version — for their needs and to maintain control over the training process.

The Web-Based Training Team perceived that if it were left to each individual to randomly choose from the extensive list of Web-based tutorials offered, each of which takes about eight hours to complete, users might select a course not as pertinent as another, thus wasting time and energy.

In response, the center developed a single entry point to the wider scope of Web-



Linda Spangler works at the keyboard while Carol Spotts points out options for the Program Management Tool, a newly developed Web site serving as a gateway to Web-Based Training Courses at the University. The tool has organizational and communications applications.

Based Training. The new tool is a means for faculty members and supervisors to provide direction for technology training and receive feedback on the performance of their students or staff members. No special training

is necessary to use the tool.

The tool can be used in numerous ways, according to Marilynne Stout, director of Education Technology Services.

"For example, an instructor teaching a

communications course might decide that the most useful training for the students would be for everyone to know Microsoft PowerPoint, in order to work in groups and make class presentations. Assigning the training of this specific Web-based course would guarantee that all the students would be 'on the same page' and direct their energy toward learning skills immediately applicable in a course and common to all fellow students," she said.

If a supervisor required a staff member to be trained toward certification as a technical specialist in a certain area, such as networking, the tool already has grouped bundles of the courses necessary for various certifications.

"These packaged offerings can be selected from a convenient drop-down list," Stout added.

Another feature of the tool is that it provides feedback to the faculty member or supervisor acting as "program manager." After completing some or all of a course, tutorial users may e-mail their training status and scores to the program manager to demonstrate their progress. The program manager also can request that users take a pre-assessment to compare to the post-assessment score.

The main selling point of the tool, according to developers, is that it does not detract from the existing Web-based course offerings. What it does is provide organization, control and feedback so faculty members and supervisors can get the appropriate people trained in the appropriate areas of information technology.

For more information, call (814) 863-7768 or visit <http://wbt.cac.psu.edu>.

Director sought for the School of Forest Resources

The College of Agricultural Sciences is conducting a national search for an individual to fill the position of professor and director of the School of Forest Resources.

After more than seven years as professor and director, Larry A. Nielsen has moved to a new position as dean of the College of Natural Resources at North Carolina State University. Charles H. Strauss, professor of forest economics, is serving as interim director of the school.

The director will lead a diverse faculty recognized nationally and internationally for excellence in forest science, wood products, hydrology and wildlife and fisheries science.

The person filling this position is the school's administrative officer and program leader reporting directly to the dean of the College of Agricultural Sciences. Duties include:

- leadership and coordination of resident instruction, cooperative extension/out-

reach and research;

- coordination and administration of intracollege and intercollege programs;

- administrative responsibility for school personnel, budget and physical facilities;

- leadership and coordination of an advisory board and the schools' interactions with forest and wood product industries, natural resource agencies, resource professionals, the general public, alumni and professional societies; and

- leadership in development of other fund-raising activities for school programs and capital improvements.

All candidates must possess a doctoral degree and satisfy tenure requirements of Penn State at the rank of professor within the disciplines of natural resources or wood science and technology.

Consideration of applications will begin Dec. 3 and will continue until a suitable candidate is selected.

Those interested in this position may submit a letter of application and supporting information (including complete curriculum vitae with documentation of academic training and professional leadership, a statement of leadership philosophy and vision and the names, addresses, telephone numbers and e-mail addresses of five individuals who can be contacted for recommendations). Nominations also are welcome.

Send applications and nominations to J.R. Stauffer, chair, Advisory Search Committee, School of Forest Resources, 2C Ferguson Building-Box INT, University Park, Pa. 16802.

For information, call (814) 863-0645 or e-mail vc5@psu.edu.

To learn more about the School of Forest Resources, check the Web at <http://www.sfr.cac.psu.edu>.

Day of Caring honors Karen Rugh's devotion

The eighth annual PNC Bank-United Way Day of Caring, scheduled for Oct. 4, will be dedicated to the memory of Karen Rugh, former director of University Relations, who died Sept. 7.

Rugh dedicated many years to the United Way Campaign, organizing and overseeing activities and for the past eight years, she spent time working on the Day of Caring.

"Karen was an extremely dedicated volunteer and an important role model since the first Day of Caring," said event co-chair Col. Gerald Russell.

Anyone wishing to volunteer to help local, nonprofit organizations repair and clean, call (814) 238-2941. Adult participants will receive a T-shirt and a certificate. Housing and Food Services will provide a pancake breakfast at Beaver Stadium.



News in Brief

President's Open House

Faculty, staff, students and the public are welcome to attend the President's Open House, scheduled for 3 to 4:30 p.m. Friday, Sept. 28, in Old Main on the University Park campus.

President Graham B. Spanier, Provost Rodney Erickson, Vice President for Administration Jan Jacobs and other key staff members will be on hand in 201 and 205 Old Main. Light refreshments will be served. Visitors can view the frescoes and visit the Old Main Tower.

Lion Ambassadors will serve as tour guides.

For a preview, visit the president's office virtually by going to <http://www.psu.edu/ur/President/> on the Web.

Travel services goes high-tech

Beginning Oct. 15, faculty and staff will be able book their own business or leisure travel reservations — including air, rail, hotel and car reservations — at the Travel Services Web site, <http://guru.psu.edu/travel>. Travel Services On-Line, powered by TRX Technology's ResAssist self-booking tool, will allow travelers to book all aspects of travel reservations 24 hours a day, seven days a week.

Travel Services On-Line is an added optional service, giving travelers more flexibility in booking their travel reservations.

Also beginning Oct. 15, faculty and staff who have the Penn State Purchasing Card will be able to use the card when making University-funded travel arrangements with Centre for Travel, Omega World Travel and Travel Services. The Purchasing Card will be the required form of payment when using Travel Services On-Line for business travel. The Direct Billing Authorization Form (DBAF) will not be required when using the Purchasing Card. However, any purchasing business travel without access to a Purchasing Card will continue to purchase his or her travel through one of the above travel agencies and submit the DBAF for payment.

Faculty and staff also will be able to charge their University-funded car rentals to the Purchasing Card. The Purchasing Card will be permitted for payment of one night's deposit only, where required for conference hotels. The remainder of the hotel expense will continue to be charged to the traveler's personal credit card and reimbursed after the completion of the trip.

Travel Services will be conducting user training for anyone wishing to use Travel Services On-Line at 1 p.m. Tuesday, Oct. 9, and Thursday, Oct. 11, in 112 Kern Building on the University Park campus.



The fall lambing season is under way on the University Park campus. About 160 more lambs are expected to be born this season. Visits to the sheep center are by appointment only. For information, call (814) 865-5893.

Photo: Greg Grieco

Contact Travel Services at jys4@psu.edu to register for one of the training sessions or for information on group training at any campus.

For information, review University Travel Policy TR-14 for policies relative to self-booking. Visit the Travel Services Web site at <http://guru.psu.edu/travel> for details about the online system.

Value Added Tax program begins

Value Added Tax or VAT is a national sales tax on goods and services which is levied by many countries around the world.

In 1987, the European Union began offering refunds of VAT to foreign companies which travel to participating countries for business purposes. Now various countries are refunding VAT to foreign companies as a business and investment incentive.

VAT rates in the participating countries currently range from 6.5 percent to 25 percent. Some countries do not refund the full amount levied.

Depending on the country, VAT may be refunded on hotels, restaurants, car rentals, parking, gasoline, diesel fuel, transportation within country, business entertainment, telecommunications, conferences, trade shows, training courses and professional fees. Certain taxes are not refundable, such as on alcohol and laundry services.

The University uses a third party to process the necessary documentation on behalf of the University to recover VAT. Net recovered VAT is returned to the University by the third party. Based on other higher-educational clients and Penn State's foreign travel expenditures, the recovery company estimates that the VAT savings for Penn State could amount to \$100,000 annually.

Penn State travelers to participating European countries should submit their receipts in order for the University to collect a refund on these taxes. Information, including a list of participating countries,

a procedure outlining how the VAT program works and a form for submitting receipts, is available at <http://guru.psu.edu/travel/vat>.

Reminder

The closing date for receipt of Evan Pugh professorship nominating materials is Monday, Oct. 22. All nominations must be submitted in accordance with Policy HR87 and established guidelines and should be sent to the dean of the academic college in which the nominee is appointed. Current nomination guidelines may be obtained by calling (814) 863-9580, by e-mail to vx2@psu.edu, or by stopping in 304 Old Main, University Park.

Carpool

Barb is seeking to carpool with someone from McAlevys Fort to University Park who works from 8 a.m. to 5 p.m. Call (814) 865-7702 or (814) 667-3195.



From the Trustee Docket

Research to benefit from \$700,000 gift

A faculty member and his wife have given more than \$700,000 to the Eberly College of Science and the Department of Chemical Engineering in support of protein engineering research, President Graham B. Spanier told the Board of Trustees on Sept. 21.

The gift came from Evan Pugh professor of chemistry and holder of the Eberly Family chair in chemistry Stephen Benkovic and his wife, Patricia.

Spanier said that through their gift, the Benkovics want to foster a collaborative research effort between relevant faculty in the Eberly College and the Department of Chemical Engineering. Protein engineering uses the tools of molecular biology and chemical engineering to synthesize and isolate new proteins for a wide range of uses, including as therapeutics, biosensing, catalysis and as structural elements.

For the full story, check the Web at <http://www.psu.edu/ur/2001/bot21sept10benkovic.html>.

Academic integrity a fundamental value

Academic integrity is at the heart of all of the University's endeavors and over the past year, steps have been taken to establish a stronger climate of academic integrity at Penn State.

"During the 2000-2001 academic year, the University launched a new approach to invigorate high expectations for personal and academic integrity," Jolin Cahir, vice provost and dean for undergraduate education, told the Board of Trustees on Sept. 20.

Last year, a University Faculty Senate-Provost's Commission on Academic Integrity was charged with improving the University's academic integrity climate. According to Cahir, the group's findings led to a new academic integrity policy, adopted by the Faculty Senate, that gives

the faculty in each of the University's academic colleges a major role in dealing with academic dishonesty.

For the full story, check the Web at <http://www.psu.edu/ur/2001/bot20sept10integrity.html>.

Arts and Architecture dean reviews growth

Stressing the college's unifying theme of diversity and creativity, College of Arts and Architecture Dean Richard Durst informed the Board of Trustees at their meeting Sept. 20 that the college is expanding as it enhances the education of many students in a technologically advanced environment.

The college leadership and faculty work together to enable more diversification within these classrooms. In the past year, search committees supported the concept with outstanding success in hiring women and minorities.

A more diverse student population also is appearing in the classrooms within the college, thanks to more aggressive recruitment efforts. The Charter High School of Architecture and Design in Philadelphia, a school with a 95 percent minority enrollment, for example, will bring its entire junior and senior classes for a campus visit this fall.

For the full story, check the Web at <http://www.psu.edu/ur/2001/bot20sept10durst.html>.

Trustees approve property sales

The Board of Trustees on Sept. 21 approved the sale of one off-campus University-owned property to a charitable organization and of another to a pair of Centre County men.

The University will sell 40.7 acres in Patton Township to the Second Mile, former Penn State football defensive coach Jerry Sandusky's nonprofit group for prevention, early intervention and community-based programs for Pennsylvania youth.

The University recently received an offer from David L. Nevins and Thomas F. Songer II to purchase the other property to be sold, a 15.6-acre parcel in Ferguson Township and State College Borough.

For the full story, check the Web at <http://www.psu.edu/ur/2001/bot20sept10lpp.html>.

Trustees renew terms for investment council reps

The Board of Trustees renewed the one-year terms of its five non-University representatives to the Penn State Investment Council on Sept. 21.

The board established the Council last September to provide direct oversight of the University's endowment and long-term investment program in response to Penn State's increasing asset base and complex marketing strategies. The council regularly reviews asset allocation, new asset classes, investment strategies, and manager performance, and provides semi-annual updates and reports regarding investment performance to the Board of Trustees.

For the full story, check the Web at <http://www.psu.edu/ur/2001/bot21sept10invest.html>.

Flexibility, partnerships are themes of programs

Flexibility and partnerships are the common threads that run through the University's endeavors to assist faculty, staff and students achieve a better balance between the conflicting demands of professional and personal pursuits, the University's human resources chief told the Board of Trustees on Sept. 21.

Billie Willits, assistant vice president for human resources, outlined various programs and policies that provide support in a variety of forms such as procedural, monetary, time, emotional and/or informational to employees.

For the full story, check the Web at <http://www.psu.edu/ur/2001/bot21sept10child.html>.

Energy and education



Bob Barkanic, Department of Environmental Protection deputy secretary, right, congratulates President Graham B. Spanier on Penn State becoming a partner in the Environmental Protection Agency's Energy Star Initiative. As part of the program, the University will track its energy performance as well as implement a plan to improve energy performance for its facilities.

Photo: Greg Grieco

COURSES

Health Matters

Kristine Clark, director of sports nutrition, will present "Osteoporosis Risk Reduction Using Nutrition and Exercise" from noon to 1 p.m. Oct. 4 in 330 HUB-Robeson Center on the University Park campus.

Clark will talk about lifestyle influences and genetic predisposition in regard to osteoporosis. Cost for this class is \$5. To register, call (814) 865-3085 or register online at <http://www.ohr.psu.edu/health/home.htm>.

OBITUARIES

Izella K. Ballenger, secretary B in the College of Agricultural Sciences, from Feb. 18, 1957, until her retirement Jan. 1, 1976; died July 26, at the age of 87.

A. Kermit Birth, professor emeritus of agricultural economics extension in the College of Agricultural Sciences, from Oct. 1, 1948, until his retirement Jan. 1, 1985; died Aug. 23. He was 80.

Gerald W. Campbell, electrician B in Office of Physical Plant, from Feb. 15, 1937, until his retirement April 1, 1972; died Aug. 15, at the age of 88.

Beckford F. Coon, professor of entomology in the College of Agricultural Sciences, from

Sept. 16, 1943, until his retirement Jan. 1, 1979; died Aug. 2. He was 85.

Barbara G. Faunce, accounting clerk at Penn State Abington, from April 11, 1974, until her retirement Jan. 1, 1992; died June 26, at the age of 72.

Annie D. Fitzsimmons, patient care assistant in College of Medicine, Hershey Medical Center, from Oct. 5, 1970, until her retirement Nov. 1, 1980; died July 31, at the age of 84.

Herman Haas, assistant manager, environmental health in College of Medicine, Hershey Medical Center, from Feb. 23, 1976, until his retirement Oct. 1, 1986; died Aug. 21. He was 79.



Focus on Research

Study supports out-of-Africa origin for East Asians

By ANDREA MESSER
Public Information

An international study of Y chromosomal DNA shows that East Asian populations migrated out of Africa and suggests that little or no interbreeding of Homo erectus and Homo sapiens occurred after the migration.

"Our goal was to test the hypothesis that the common origin of human populations is in Africa," said co-author Mark D. Shriver, assistant professor of anthropology. "We also wanted to see if there was evidence of archaic admixture of Homo erectus and Homo sapiens."

The researchers tested 12,127 male individuals from 163 East Asian populations. The Y chromosome was used because it remains the same when passed from father to son.

"The Y chromosome is nice because it does not recombine," Shriver said. "A lot more evolutionary information is available than is found in mitochondrial DNA."

Mitochondrial DNA is non-nuclear genetic material passed from mothers to their children and has been used for some previous African origin research. Researchers from China, Indonesia, England and the United States collected samples, genotyped the Y chromosomes and analyzed the results. They looked for specific mutations at three locations on the Y chromosome and found that every one of the 12,127 samples typed carried one of these three polymorphisms.

"These three markers can be used to test the completeness of the replacement of modern humans of African origin in East Asia," the researchers said. "An observation of a male individual not carrying one of the three polymorphisms would be indicative of a potential ancient origin and possibly leading to the rejection of such completeness."

This result indicates that modern humans of African origin completely replaced earlier populations in East Asia, researchers said.

Shriver warned, however, that there are some ways in which this result could be accurate, even though interbreeding took place. If all of the Y chromosomes inherited from Homo erectus were eliminated from the population because those with Homo erectus ancestors were swept from the population due to a disease to which they were especially susceptible, they would not appear in the sample. Also, if only Homo erectus women mated with Homo sapiens men, then there would be no Y chromosomal evidence of the admixture. While these possibilities must be considered, one of the strongest components of this study is its size. The 163 population samples came from populations in Central Asia, Central Siberia, Okhotsk/Amur, Kamchatka/Chukotka, Northern East Asia, Northern Han Chinese, Southern Han Chinese, Taiwanese Aborigines, Southeast Asia, Indonesia/Malaysia, Polynesian/Micronesia and Northeast India, covering a broad geographic area.

The large number of populations also eliminates the possibility that genetic drift is the cause of the research's results. Genetic drift is a tendency for small populations to gradually alter their genetic



Mark Shriver, assistant professor of anthropology, was part of huge international study of East Asian Y chromosomal DNA.

Photo: Greg Gilreco

makeup over time. The researchers find it hard to imagine that all the 163 populations should drift in the same direction.

The size of the sample, 12,000 individuals, also provides strong statistical evidence that the research's findings are correct. The possibility of the study missing one case of admixture in one thousand subjects is so small the number is truly minute. Even if one investigated the likelihood of one Homo erectus admixture in a million individuals, the number remains far below that which validates the result.

Andrea Messer can be reached at aem1@psu.edu.

FROM THE EXPERTS

Foliage could be brilliant if the weather is right

Hot autumn days and mild nights — many wish for Indian summer this time of year. But if you want a bright, colorful foliage display in October, you shouldn't, according to an expert in the College of Agricultural Sciences.

"Weather in the next month or so is very important," said Marc Abrams, professor of forest ecology and physiology. "We need to have cool temperatures falling into the high 30s or 40s at night, as well as bright sunny days with little rain."

If temperatures cool over the next four weeks with little rain falling, fall foliage watchers in Pennsylvania should be treated to a superior display of color this year, Abrams predicted.

"If we cross our fingers and Mother Nature cooperates, we should have good color by the middle of October," he said.

For 15 years, Abrams has studied how seasonal precipitation and temperature influence timing and intensity of fall colors in central Pennsylvania. "We believe that clear, bright days, low — but not freezing — temperatures and dry conditions promote the best fall colors," he said.

Cooler temperatures signal deciduous trees to stop producing chlorophyll, the green pigment responsible for photosynthesis, he explained. The chlorophyll breaks down and disappears, unmasking other leaf pigments. It's these other pigments — called xanthophylls and carotenes — that create the yellows and oranges seen in the leaves of yellow poplar, hickory, sycamore, honey locust, birch, beech and certain maples.

After chlorophyll production stops, trees also produce another pigment in their leaves called anthocyanin, Abrams explained. The anthocyanins create the brilliant reds and purples seen in maple, sassafras, sumac, black gum and purple oak.

The amount of anthocyanin produced each year is related to starch levels in the tree. Trees often produce less starch during droughts. Much of Pennsylvania experienced a significant drought this summer, but Abrams doesn't believe most trees were stressed enough to significantly impact fall colors.

This year's drought, however, may cause some highly stressed trees to change color earlier than normal or to display rather dull coloration. Overall, there is still a high potential for most trees to show their true, vibrant colors this year, Abrams predicted.

Asia's investment in research parks could teach valuable lessons

Telecommunications professors Robert M. Frieden and Richard D. Taylor recently traveled to Singapore, China, India and Malaysia as part of an initiative funded by the Ford Foundation to research the impact of investment in technology parks on economic development in Asia.

Under the auspices of the Institute for Information Policy, the researchers are collaborating with the East-West Center in Honolulu to conduct cross-country comparisons and summarize data they have collected to

learn lessons to help reduce the global digital divide. As a result of globalization, developing nations are creating information-based "technology parks" to promote investment and development in their countries.

In addition to collecting data on India, Malaysia, Singapore, China and Taiwan, as well as Hawaii and Silicon Valley, the researchers hope to provide a collection of "best practices" from which developing nations may draw information for their own benefit.



Robert Frieden



Richard Taylor



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Taking shape



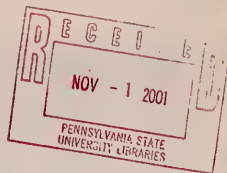
The new entry road to University Park's West Campus is clearly visible, top. The entrance, which is across Atherton Street from Rec Hall, will allow construction to begin on the IST Building. Above, the new east campus entrance off of Atherton Street between Rec Hall and the Nittany Lion shrine is just starting to take shape. The road will replace the Pollock Road entrance off of Atherton Street, which will be closed with the construction of the IST Building. At left, Office of Physical Plant employees Terry Mahon, left, and Laura Maney put down sod in front of the newly designed intersection of Curtin and Burrows roads in front of Rec Hall.

Photo: Greg Grieco



Intercom

INFORMING THE PENN STATE COMMUNITY



OCTOBER 4, 2001

THE HISTORIES OF PENN STATE

Building on the Behrend tradition

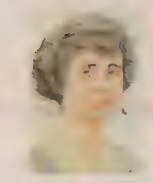
Community initiative and a generous gift brought Penn State to Erie

Editor's note: Most people know the history of Penn State as that of a school chartered in 1855 at the request of the Pennsylvania State Agricultural Society to apply scientific principles to farming. Since that time, Penn State has grown from that one campus at University Park to 24 locations statewide, and each of those other locations has its own special history. Throughout this academic year, Intercom plans to highlight those histories, as told by experts at each of those campus locations.

By LORETTA BRANDON
Penn State Erie

The beautiful wooded campus of Penn State Erie, The Behrend College, is a gift to the community from Mary Behrend, widow of Ernst Behrend, who founded the Hamermill Paper Co. in Erie in 1898. The Behrends lived on the grounds of the mill along Lake Erie until 1928, when they moved two miles south to the 400-acre Glenhill Farm, which overlooks the city of Erie. Today, the Glenhill Farm forms the core of Penn State Erie's 725 acres.

Ernst and Mary farmed their land, raising horses, sheep and dogs and entertaining neighbors, friends and travelers from around the world. Ernst died in 1940, but Mary kept the Glenhill Farm until 1948, when a small committee of Erie businessmen including J. Elmer Reed, Edwin Nick, John Zurn and Pier Wright met with her



"It is pleasant to feel that over the years to come, many young men and women will go forth from this lovely spot well-equipped with the education they have received here."

Mary Behrend
speaking at the Oct. 30, 1948,
dedication ceremony



Dedication of the Behrend Center of Pennsylvania State College on Oct. 30, 1948, took place on the west patio of the Glenhill Farmhouse and drew the interest of many local dignitaries. Oct. 30 still is celebrated as Founders' Day.

Readership program is a national model

By AMY NEIL
Public Information

Penn State students read more than 1.5 million local, regional and national newspapers this past year, securing the University's position as having the largest newspaper readership program at any university in the nation.

At the University Park campus, students read 975,321 newspapers during the 2000-2001 academic year — 427,029 copies of *USA Today*, 281,111 copies of *The New York Times* and 267,181 copies of *The Centre Daily Times*, which is the local Knight Ridder paper. At other Penn State campuses, 538,143 newspapers were picked up by students.

"Reading a newspaper each day is perhaps the single most important part of being an informed citizen," said President

Newspaper, page 3

Vision plan includes mail order option

National Vision Administrators (NVA) announced the immediate availability of a mail-order program for contact lens wearers. Contact Fill is offered by NVA through its CFI affiliate and makes available all major brands of disposables, gas permeable, hard lenses and others. This program offers significant savings and the convenience of direct delivery to participants' homes. All participants and their eligible family members can use this program. Contacts may be ordered by phone, mail, fax or e-mail.

It is important to note that the Penn State vision plan provides a benefit for lenses and frames or for contacts every other year. However, the Contact Fill program may be used at any time, even in those years when the contact lens benefit is not available.

Benefits, page 3

Erie

Continued from page 1

to discuss the possibility of obtaining the land as a site for a Penn State center in Erie.

Mary Behrend was impressed that Penn State thought so well of the location that they were willing to raise money to purchase it. She said to her daughter, Harriet, "I think this is something that would be a wonderful memorial to Father — something he almost could have planned himself. I think I should give it all to the college."

On June 28, 1948, she officially donated the property to Penn State, and the Glenhill Farm became the Behrend Center of the Pennsylvania State College.

By mid-July 1948, T. Reed Ferguson was named to lead the Behrend Center. With two months until the fall semester began, he faced the daunting and immediate task of turning the nine separate structures on the farm into a college, complete with dormitory space and food service. He accomplished his goal, turning the Glenhill Farmhouse into a women's dormitory and dining facilities, turning the lower level of the barn into physics and biology laboratories and classrooms, and the upper level of the barn into the bookstore. The Behrends' garage became the first chemistry lab. That fall, 146 students enrolled for freshman courses.

In December 1948 Ferguson originated Behrend's first tradition, the "Hanging of the Greens," a brief holiday candlelight ceremony continued today by students and college leaders in honor of the Behrend family.

The people of Erie supported Behrend Center in 1952 by raising \$75,000 to erect a building to accommodate a growing range of academic and co-curricular activities. In addition to being used as a gymnasium, the new Erie Hall (named for the people of Erie) served as an assembly hall, a theatre for dramatic and musical productions, and an armory for ROTC.

In 1954 Irvin H. Kochel, former administrator of the Harrisburg Center, was appointed administrative head of the Behrend Center. During his 27 years of leadership, enrollment grew, new buildings were added and in 1973 Behrend Center became a four-year, degree-granting college of Penn State.

The rich history of the Behrend family and Penn State Erie is preserved in the historic circle at the center of the campus, but the edges of the college have pushed outward with new academic buildings, a new library, a new engineering complex, and more recently with Knowledge Park, the Junker Center athletic complex and the Larry and Kathryn Smith Chapel. The new chapel soon will include the 48-bell Floyd and Juanita Smith Carillon and a pipe organ built by the Martin Ott Co. of St. Louis. Plans for a \$30 million Research and Economic Development Center now are being developed, and construction is expected to begin next year.



Janitorial help was minimal in the early life of Penn State Behrend, so students took a class day off for the annual "Work Day" held every spring. Students were even asked to bring their own rakes, shovels and cleaning equipment.

Erie at a glance

- Jack D. Burke, interim provost and dean
- Robert W. Light, associate dean
- 725-acre campus in suburban Harborcreek Township
- Student enrollment of about 3,800
- 178 full-time and 75 part-time faculty
- Twenty-nine baccalaureate majors, six associate degrees, two graduate degrees
- Knowledge Park at Penn State Erie, a 200-acre site for knowledge-based companies
- Twenty-one varsity sports
- 70 student clubs and organizations



The Glenhill Farmhouse now serves as the administrative building at Penn State Erie.

Newspaper

Continued from page 1

Graham B. Spanier. "It is critical that college students develop an understanding of the world they will help shape. Reading a newspaper will help them contribute to their careers, their communities and their families."

In 1997, at Spanier's suggestion, the University began providing free copies of *The New York Times*, *USA Today* and a daily paper from the local community to students living in campus residence halls at University Park and eight other campuses. This past fall, the program, funded by student tuition, was expanded to include all students living both on- and off-campus. Using their regular student ID cards, students can access more than 100 newspaper dispensing machines at 20 campuses offering undergraduate programs. The Dickinson School of Law will be added to the readership program this fall.

According to Blaine Steensland, director of student affairs at Penn State Berks-Lehigh Valley, it now is a daily sight to see students sitting behind newspapers in many of the lounge areas on campus.

"Whether they are catching up on national news or the latest sports, the positive habit of staying informed is being reinforced," he said.

Undergraduates at the Berks and Lehigh Valley campuses read a combined total of more than 1,700 newspapers a week.

Students have deemed the readership program a success. A recent "Penn State Pulse" survey of students participating in the program shows that 85 percent are satisfied with the program. More than half of the students surveyed said the program contributed to the overall quality of their education.

According to the students, reading a newspaper on a regular basis has helped them feel more informed about local community issues, have a better understanding of public policy and politics, and enhanced their participation in class discussions. More than three-fourths of the students said they had an improved ability to discuss current events and were able to have informed opinions about national and international concerns.

"The purpose of the program is to help students develop a more complete understanding of the world they live in and enhance their learning environment," said Bill Asbury, vice president for student affairs. "The student survey results are very encouraging. It is clear to the administration that our students want access to daily newspapers and that it is having an impact on the learning process."

In addition, two-fifths of students surveyed said they never, or very infrequently read newspapers before coming to Penn State.

"Students are discovering things that they never thought were possible," said

Larry Pollock, director of student affairs at Penn State New Kensington and an art instructor. "The program has helped students become readers again."

Students at the New Kensington campus read a total of more than 700 copies of *USA Today*, *The New York Times* and *Valley News Dispatch* each week.

Sixteen percent of the students surveyed said they had instructors who required them to read a newspaper for class, while 63 percent said their instructors referred to news articles regularly in class.

"Reading newspapers is a natural supplement to reading textbooks in our classes," said Doug Anderson, dean of the College of Communications.

Students surveyed at the University Park campus were asked how the availability of *The New York Times*, *USA Today* and *Centre Daily Times* impacted their readership of *The Daily Collegian*, the student-run newspaper. Most of the students taking advantage of the newspaper program said they continue to read *The Daily Collegian* as often as before. Almost 20 percent of the students surveyed said they read *The Daily Collegian* more often.

Students have benefited from the readership program in other ways. According to Al Matyasovsky, operations supervisor for the University's Office of Physical Plant, 185 tons of newspaper were recycled at University Park last year. Recycled newspapers are marketed by Superior Waste Services and a portion of the profits is donated to the University's general scholarship fund. *USA Today*, *The New York Times* and the *Centre Daily Times* offer matching contributions. Since the inception of the readership program, 623 tons of newspapers have been recycled, and more than \$23,000 added to the general scholarship fund.

"Although University Park is the only campus that is generating scholarship dollars, students at all campuses benefit from the scholarship money," he said.

The Newspaper Readership Program is normally available to students during the fall and spring semesters only. However, a pilot program was held during the second, six-week summer session at the University Park campus to determine if students would be interested in having papers available during summer classes.

Free copies of *The New York Times*, *USA Today* and the *Centre Daily Times* were available in limited numbers at the HUB-Robeson Center dispensing machine. During the six-week period, students read more than 56,700 newspapers — an average of almost 1,900 papers per day.

Information about the history of the program and a listing of current newspaper participants are available online at <http://www.psu.edu/wr/newspaper/>.

Any Neil can be reached at amayneil@psu.edu.

Patriotic lion



An American flag was planted in front of the Nittany Lion shrine on the University Park campus by a passerby. Several symbols of patriotism continue to be visible on the University's campuses systemwide in the wake of the Sept. 11 tragedy.

Photo: Greg Grisco

Benefits

Continued from page 1

When ordering disposable contacts, the request should be sent at least two weeks before the supply runs out. Orders will be delivered by United Parcel Service or by First Class Mail within seven to 10 business days from receipt of the order.

A prescription will be required when ordering contacts through CFI. If a copy of the contact lens prescription is not available, participants may provide the eye doctor's name and phone number and CFI's

prescription verification team will obtain that information.

Order forms may be requested from NVA at (800) 672-7723. Information regarding cost and availability of specific brands should be directed to CFI at (866) CFI-1EYE (866-234-1393).

Additional questions regarding the Penn State vision plan should be directed to the Employee Benefits Division at bene@psu.edu or (814) 865-1473.

Tooting their own horn



The Penn State Blue Band plays a patriotic number while practicing on the fields off University Drive. The band will present the half-time show when the Nittany Lions take on the Wolverines of Michigan Saturday in Beaver Stadium on the University Park campus.

Photo: Greg Grieco

Videoconferencing a convenient alternative to travel

Faculty and staff reluctant to travel long distances to conferences and meetings are reminded that there is an alternative to traveling outside of the area.

Videoconferencing is the next best thing to being at that important meeting, and in some cases, might be better. In today's world, the whole culture of the way people meet professionally is changing.

"Every organization is evaluating travel policies and trying to give employees multiple options, given that travel might be a little more cumbersome," said Judy Olian, dean of The Smecal College of Business Administration. "We have the technology. This should be something people consider before they automatically travel."

Videoconferencing makes it possible for people at different sites to participate in the same conference simultaneously through two-way audio and two-way video. Because of special equipment at each location, often including special cameras, it is easy to interact with those at distant sites.

"This is just one way of enlarging the range of options," Olian said. "We might be joining people who are meeting virtually anyhow."

Using videoconferencing yields many benefits. Virtual meetings are cost- and time-effective, increase meeting participation and enable meetings to occur on a more frequent basis.

"We have the technology. This should be something people consider before they automatically travel."

Judy Olian,

dean of The Smecal College of Business Administration

The Office of Telecommunications both recommends and provides training, free of charge. The training will introduce the video user to the equipment and its capabilities as well as explain the keys to a successful and productive videoconference.

All Penn State campuses have at least one interactive video set with numerous sets located on the University Park campus.

Faculty and staff will have the opportunity to learn more on this topic at the Office of Telecommunications' Open House, 10 a.m. to 3 p.m. Thursday, Oct. 18, at University Support Building 2, University Park.

University launches multi-year 'Creating Health' project

Outreach and Cooperative Extension will launch a multi-year health education and public service initiative this month. "Creating Health" will use multi-media and community outreach to deliver health education and resources to communities throughout Pennsylvania.

Creating Health's educational content partners include the College of Agricultural Sciences, the College of Health and Human Development, the College of Medicine, Penn State Public Broadcasting, Cooperative Extension, Continuing Education and the World Campus/Distance Education.

"The long-term goal of Creating Health is to develop a health education model and learning tool kit that can be replicated nationwide. The Creating Health project is grounded in the Penn State land grant mission, and is aimed at addressing the educational needs of families and health care providers," said James H. Ryan, vice president for Outreach and Cooperative Extension.

The Creating Health initiative will consist of relevant health information and wellness-related content, delivered through an array of trusted sources, including public television and radio broadcasts, interactive Web sites, exhibits at point-of-service sites and community-based programs. Penn State Cooperative Extension family living agents will identify public service leaders in their communities and coordinate educational events and activities in counties targeting specific health needs. The goal of the Creating Health programs is to encourage individuals and families to take an active role in decision-making about health-related issues and lifestyle choices.

The first Creating Health topic, "Osteoporosis and Bone Health" will premier in October with public broadcasting programs on WPSX-TV and WITF-TV, community outreach and an interactive Web site: <http://www.creatinghealth.psu.edu>.

Future programs will include disease prevention, diet, exercise and nutrition.

For information, call WPSX-TV at (814) 865-3333 or check the Web site listed above.

BOOK SHELF

William A. Damerst, professor emeritus of English. *Joey, Joe and Joseph*. Publish America, the production affiliate of Baltimore publisher America House.

The novel is about a nightmare-haunted World War II flier, J.S. "Tater" Tate, who, back home on the eve of V-E Day after being honorably discharged, is upset and bitter because he believes that while he was in combat overseas those he had been close to had betrayed him.

Victor L. Dupuis, professor emeritus in the College of Education. *Foundations of American Education*. Allyn and Bacon Publishers.

Dupuis, **James A. Johnson**, **Diann Musial**, **Gene E. Hall** and **Donna M. Golinick** co-authored the 12th edition of this book, which is used by many pre-service teaching candidates. In this edition, the authors have provided for student use of Web sites, a resource manual for the instructor using the text, a computerized test bank, a computerized foundations course management system, interactive videotapes to enrich the text content, a master set of instructional transparencies and materials attached to Allyn and Bacon Web links.



Arts & Entertainment



This photograph by Susan Carr is part of "Intimate Perceptions," an exhibition of painting and photography, in the McAnahon and Sheetz Galleries at Penn State Altoona through Nov. 2. "Intimate Perceptions" is the second exhibit of the Inside Juried Exhibition 2001-2002 featuring 10 nationally-recognized artists.

Musical recital

Clarinetist Evelyn Ellis, director of the Office of Graduate Educational Equity, and pianist Tony Leach, assistant professor of music, will present a recital at 3 p.m. Sunday, Oct. 7, in the Esber Recital Hall, Music Building I, on the University Park campus.

They will be joined by high school clarinetist Lauren Thorpe.

The recital is free to the public.

New music concert

Musica Nova, which features new concert music, will be presented at 8 p.m. Wednesday, Oct. 10, in the Esber Recital Hall, Music Building I, on the University Park campus.

The program will include music by stu-

dent composers. Students, community, visiting musicians and faculty members Rob Nairn, Tim Hurtz, Timothy Deighton and Dan Armstrong will perform.

The concert is free to the public.

Bach's Lunch

The Penn State Baroque Ensemble will perform the Bach's Lunch concert at 12:10 p.m. Thursday, Oct. 11, in Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is sponsored by the Lutheran Student Association and the School of Music.

After the concert, audience members may take their bag lunches to the Memorial Lounge in Eisenhower Chapel. Coffee and tea will be provided.

25-YEAR AWARDS



Christopher J. Bise



Holly Fritchman



Robert Hartswick



Susan Lee King



Bruce Rohrbach



Elizabeth G. Warner

Observing 25 years of service at the University are, top row from left, Christopher J. Bise, professor of mining engineering and industrial health and safety, and Deike chair in energy and geo-environmental engineering in College of Earth and Mineral Sciences; Holly Fritchman, staff assistant in Office of the Vice President for Research; and Robert Hartswick, maintenance worker A in Office of Physical Plant; **second row from left**, Susan Lee King, staff assistant VII in University Office of International Programs; Bruce Rohrbach, project manager, western region, Commonwealth services division in Office of Physical Plant; and Elizabeth G. Warner, staff assistant VIII in the College of Arts and Architecture. **Observing 25 years of service at the University but not pictured are:** Susan Doland-Swartz, staff assistant VIII, Karen L. Rider, administrative assistant III, and Deborah L. Zimmerman, program manager, all in College of Engineering; and Robert J. Hudzik, stadium and athletic field supervisor in Intercollegiate Athletics.

PENN STATERS

Patricia A. Book, associate vice president for Outreach and executive director of Continuing Education, was recognized as a distinguished alumna of Oakland University and awarded the 2001 Oakland University Odyssey Award. The award recognizes alumni whose lives exemplify Oakland University's motto to "seek virtue and knowledge."

Paul W. Brown, professor of materials science and engineering, gave an invited plenary lecture on "Chemical routes to Monolithic Hydroxypatite Formation" at the seventh European Ceramic Society meeting in Brugge, Belgium. Professor Gary L. Messing, head of the Department of Materials Science and Engineering and professor of ceramic science and engineering, also gave lectures there on "Co-sintering of Integrated Ceramics" and "Templated Grain Growth of Textured Piezoelectric Ceramics."

William McCarthy, professor of English at Penn State DuBois, presented papers at two international conferences. At Ethno-

logical Approaches in the New Millennium, a conference sponsored by the International Society for Ethnology and Folklore held in Budapest, Hungary, McCarthy presented "The Creolization of the European Märchen Tradition among the Descendants of Africans in the United States." Earlier that week at the 31st International Ballad Conference of the society's Ballad Commission in Budapest, he presented "Long May the Ladies Sit."

Suzanne Moon, assistant professor in the Science, Technology and Society program, has been awarded the inaugural Brooke Hindle Postdoctoral Fellowship by the Society for the History of Technology. Moon will use the award to prepare a book manuscript on the politics of technological change in colonial Indonesia in the early 20th century.

Louise Sandmeyer was elected chair of the Executive Council of the National Consortium for Continuous Improvement in Higher Education at its second annual national conference in New York City.



Lectures

Lecture series topic will be chemical publishing

"SPARC and a Focus on Chemical Publishing," the 2001 Iesh Lecture: A Series on Scientific and Chemical Information, will be presented from 10 to 11 a.m. Friday, Oct. 12, in the Foster Auditorium, 101 Pattee Library, on the University Park campus.

SPARC (The Scholarly Publishing and Academic Resources Coalition) is a worldwide alliance of research institutions, libraries and organizations that encourages competition in the scholarly communications market.

Julia C. Bixrud, director of information services for the Association of Research Libraries and assistant director of public pro-

grams for SPARC, will talk about "Developing Partnerships to Transform Scholarly Communications."

Carol Carr, managing editor of *Organic Letters*, from the Department of Chemistry at University of Pennsylvania, will talk about "Publishing in the 21st Century and How Technology Has Affected Peer Review."

A reception will follow in the Mann Assembly Room, 103 Paterno Library. The lecture is free to the public.

For information and to RSVP, call Karen Struble at (814) 865-2258 or e-mail kas5@psu.edu.

Conference looks at future of outreach education

Penn State, The Ohio State University and University of Wisconsin-Extension will hold "Outreach Scholarship 2001: Learning, Discovery and Engagement" from Oct. 14 to 16 at The Penn State Conference Center Hotel on the University Park campus.

The conference is designed to foster discussion of the issues affecting the future of outreach, as well as practical tools for implementing change.

Keynote speaker Pat Mitchell, president of the Public Broadcasting Service, will

talk about the impact of digital technology on strengthening communities. Frank Mayadas of the Alfred P. Sloan Foundation will address the subject of new directions in online learning.

Conference information and an online registration form can be found on the Web at <http://www.outreach.psu.edu/C&I/OutreachScholarship2001>.

For information, call Chris Dufour at (814) 863-5100 or e-mail Conference Info1@outreach.psu.edu.

Huddle to explore life of Confederate general

William A. Blair, associate professor of history and director of the Civil War Era Center, will present "Robert E. Lee as a Southerner" at 9 a.m. Oct. 6 in The Nittany Lion Inn on the University Park campus.

The free presentation is part of this fall's

Huddle with the Faculty, a Penn State Alumni Association outreach program that features presentations by faculty before every home football game.

For information on upcoming speakers, call Mary Jane Stout at (814) 865-5466.

Doctoral candidate to speak on biogeochemistry

Aaron Thompson, doctoral degree candidate in the Department of Crop and Soil Sciences, will give a lecture from 3:35 to 4:25 p.m. Oct. 5 in 101 Agricultural Sciences and Industries Building on the University Park campus.

His topic will be "Toward a project on the biogeochemistry of Fe redox cycling infulectuating redox environments."

The host for the event is the Department of Crop and Soil Sciences. For information, call (814) 863-1601.

Presentation focuses on cost of free speech

"The Rising Cost of Free Speech in Higher Education" will be presented from 4 to 6 p.m. Monday, Oct. 15, in the Foster Auditorium, 101 Pattee Library on the University Park campus.

Robert D. Richards, associate dean for Undergraduate Studies, and Clay Calvert, assistant professor of communications and law

in the College of Communications, will speak. They co-direct the Pennsylvania Center for the First Amendment.

The presentation, which is free to the public, will be followed by a reception and related exhibit in the Social Sciences Library on the second floor of the Paterno Library.

For information, call (814) 865-4681.

'Passage to India' is topic of personal reflections

Joyce John, a lecturer at Penn State Abington, will share her personal views on the history, philosophy, culture, wildlife and geography of the subcontinent during "Pas-

sage to India" at 2 p.m. Sunday, Oct. 28, in 112 Woodland Building on the campus.

The event is free to the public. For information, call (215) 881-7368



Old Main on the University Park campus is illuminated in pink as part of the "illuminate Pennsylvania Campaign" for breast cancer awareness.

Photo: Greg Grieco

Old Main to illuminate breast cancer awareness

Now through Oct. 15, Old Main on the University Park campus will be bathed in pink light to honor the thousands of women lost to breast cancer each year and the hundreds of thousands who are surviving.

The local event, organized by the Appalachia Cancer Network in the College of Agricultural Sciences, is part of the "illuminate Pennsylvania Campaign," an effort to educate the public about breast cancer.

Illuminated buildings across the state will include the State Capitol, county courthouses, offices of state senators and representatives, hospitals and medical facilities and various community businesses and organizations, including Penn State Cooperative Extension. KePRO, the state's Medicare Peer Review

Organization, initiated the campaign as an extension of the Estee Lauder Foundation's international effort for breast cancer awareness, in which prominent buildings and historical landmarks are floodlighted with pink lighting.

Another event taking place across the state in October is the American Cancer Society's "Making Strides Against Breast Cancer" 5K walk. The walk on the University Park campus will take place on Saturday, Oct. 13, starting at the Intramural Building.

To register or for more information, call Leslie Richner at (814) 238-8908, or register the morning of the walk. Registration starts at 9 a.m., with opening ceremonies at 10:30 a.m. The walk begins at 11 a.m.



News in Brief

Library fees revised

University Libraries' Lending Services have implemented a new comprehensive fee structure at all University Libraries campus and college locations.

Beginning Oct. 10, the new fees replace a 20-year-old structure.

Other libraries units also have implemented new fee structures, which are listed for patrons at their service desks. These include The Eberly Family Special Collections Library, Interlibrary Loan, and Media and Technology Support Services.

For information, contact the appropriate area: Lending Services, (814) 865-5429; Special Collections Library, (814) 865-7931; Interlibrary Loan, (814) 865-3489; and Media and Technology Support Services, (814) 865-6314 or (814) 865-5400.

Shaver's Creek Halloween Festival

Shaver's Creek Environmental Center will hold its Children's Halloween Trail and Festival from 11 a.m. to 4 p.m. Saturday, Oct. 27, and Sunday, Oct. 28.

The event is aimed at children ages 4 to 10. Trail tours will start every quarter hour from 11 a.m. to 3:15 p.m. In addition, there will be games, singing, crafts, pumpkin carving and food.

Tickets are \$5 each and can be purchased at Shaver's Creek Environmental Center. Children under age 3 are admitted free.

For information, check the Web at <http://www.outreach.psu.edu/ShaversCreek> or call (814) 863-2000 or (814) 667-3424.

Study subjects sought

The Penn State Nutritional Center on the

University Park campus is looking for a subjects to participate in a study on prostate health.

The center is seeking applicants 45 to 70 years of age, who have elevated levels of prostate-specific antigen and who have not been diagnosed with prostate cancer. The study focuses on the effects of a nutritional supplement. Participants will be compensated.

For information, call (814) 863-3930.

Wheelchair track clinic

Larry Hughes, 1996 Paralympic Disc champion at the Atlanta Games, will give a free wheelchair track and field clinic after the meet at 2 p.m. Saturday, Oct. 13, at the outdoor track on the University Park campus.

Undergraduate athletes Jeff Hantz, who this summer set three national junior records in the disc, shot put and javelin, and Andrew Cofron, who finished second in the Paralympic trials, also will help with the clinic.

For information, call Teri Jordan-Lucas at (814) 865-8375 or e-mail tb33@psu.edu.

Reminder

The closing date for receipt of Evan Pugh professorship nominating materials is Monday, Oct. 22. All nominations must be submitted in accordance with Policy HR87 and established guidelines and should be sent to the dean of the academic college in which the nominee is appointed. Current nomination guidelines may be obtained by calling (814) 863-9580, by e-mail to vd2@psu.edu, or by stopping in 304 Old Main, University Park.

PARTINGS

Judith M. Klinefelter, assistant professor of nursing in College of Health and Human Development, from Aug. 16, 1989, to Aug. 11.

George W. Milburn, manager, cost analysis, property inventory in Office of the Corporate Controller, from June 23, 1969, to July 6.

Martin W. Sharp, assistant professor of educa-

tion at Penn State Great Valley, from July 1, 1969, to July 3.

John A. Shoener, extension agent in College of Agricultural Sciences, from April 4, 1977, to Aug. 1.

Nancy L. Slaybaugh, manager of human resources in University Libraries, from June 1, 1963, to Aug. 3.

COURSES

Human Resource Development Center

The Human Resource Development Center on the University Park campus has scheduled a three-program series on developing a more positive and dynamic professional relationship in the workplace.

The schedule for "The Art of Understanding: Communicating Across Cultures" follows:

■ "Communicating Across Generations," 1:30 to 3:30 p.m. Oct. 8, 319 Rider Building.

■ "Communicating Across Cultures," 1:30 to 3:30 p.m. Oct. 15, 319 Rider Building.

■ "Communicating Across Genders," 1:30 to 3:30 p.m. Oct. 22, 319 Rider Building.

For information on these or other programs, call (814) 865-7922.

Crossed wires



Darrell Mills from the Office of Physical Plant is wiring lamp posts located between the Procurement Services Building and the practice fields on the University Park campus. With the end of Daylight Savings Time only four weeks away, artificial lighting takes on an added importance.

Photo: Greg Grieco

Stay informed

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at

<http://news.wires.psu.edu/> to sign up for your **FREE**

Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



University Park Calendar

October 5 - October 14

SPECIAL EVENTS

Friday, October 12

"Henry Pearson: The Poetry of Line," gallery talk by Patrick McGrady, noon, Palmer Museum of Art.

Saturday, October 13

Family Day at the Palmer, 11 a.m. to 2 p.m., Palmer Museum of Art. For information, call (814) 865-7672.

Sunday, October 14

"Lilly's Purple Plastic Purse," the Kennedy Center Imagination Celebration on Tour, 2 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

MUSIC

Sunday, October 7

Faculty Recital, featuring Evelyn Ellis, clarinet, 3 p.m., Recital Hall, Music I.

Wednesday, October 10

"Tap Dogs," 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

"Musica Nova," featuring Steven Smith, piano, 8 p.m., Recital Hall, Music I.

Thursday, October 11

Centre Dimensions, Dan Yoder, director, 8 p.m., Recital Hall, Music I. For tickets, call 865-D431.

Saturday, October 13

Student recital, Christopher Short, horn, 1 p.m., Recital Hall, Music I.

Student recital, Lisa Hooper, cello, 8 p.m., Recital Hall, Music I.

Mark D'Connor with Metamorphosen Chamber Orchestra, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Sunday, October 14

Faculty recital, Carrie Kofman, saxophone, 3 p.m., Recital Hall, Music I.

SEMINARS

Friday, October 5

Alejandro Perez on "The Barrett-Crane Spin Foam Model," 11 a.m., 318 Osmond Laboratory.

Janet Robinson on "The State of the Times," 11:30 a.m. to 1 p.m., The Penn State. For tickets, call (814) 865-7590.

Aaron Thompson on "Toward a Project on the Biogeochemistry of Fe Redox Cycling Infiltrating Redox Environments," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Saturday, October 6

William A. Blair on "Robert E. Lee as a Southerner," 9 a.m., faculty-student room, The Nittany Lion Inn.

Monday, October 8

Scott Rychkovsky on "New Methods for the Synthesis of Highly-Degenerated Natural Products," 1:15 p.m., S5 Osmond Laboratory.

Thursday, October 11

Jennifer Lewis on "Colloidal Assembly of Mesoscale Periodic Structures for Functional Ceramic Applications," 11:15 a.m., 22 Delke.



Protecting part of the exhibit "The Poetry of Line," Richard Hall and Ronald Hand install a see-through shell. The display by Henry Pearson will take place in the Palmer Museum of Art through Nov. 18.

Photo: Greg Grieco

Angela Belcher on "Using Nature's Tools to Design Novel Hybrid Nanostructured Materials," 12:15 p.m., S5 Osmond Laboratory.

Daniel Nolan on "Optical Components for Optical Communications," 4 p.m., 117 Osmond Laboratory.

Bruce Hendrickson on "Devising Effective Parallel Algorithms," 4 p.m., 1D2 Thomas.

Friday, October 12

Julia C. Birxud on "Developing Partnership to Transform Scholarly Communications," and Carol Carr on "Publishing in the 21st Century and How Technology Has Affected Peer Review," 1D to 11 a.m., 1D1 Pattee Library.

David Lowe on "Black Holes from Quantum Mechanics," 3 p.m., 339 Davey Laboratory.

Earl Ellis on "China's Village Landscapes and Global Biogeochemical Change," 4 p.m., 273 Willard.

Alejandro Perez on "Finiteness of 4-Dimensional Non-Perturbative Quantum General Relativity: GFT/QGR Duality," 11 a.m., 318 Osmond Laboratory.

EXHIBITS

HUB-Robeson Center

"Images on Paper," water collages by Richard Hamwi, through Oct. 25.

"You Are Here," collage and quilts by Robert Placky and Debra Placky, through Oct. 24.

"Seeing the World Through Women's Eyes," black and white photography by Kathleen Karp, through Oct. 15.

"Heartdreams and Legends: Story of Two Peoples," through Dec. 4.

Ceramics by Ian Stanton, through Dec. 6.

Ceramic sculpture by Roger Pollok, through Dec. 6.

Kern exhibit area

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," photography by Robin Hoekert, through Dec. 5.

Etchings by Enrica Ruiz, through Dec. 5.

Palmer Museum of Art

"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," through Dec. 16.

"The Poetry of Line: Drawings by Henry Pearson," through Nov. 18.

"American Pastorale: Drawings by John F. Kensett," American Works on Paper Gallery, through Dec. 21.

Pattee and Paterno Library exhibit areas

"To Make You Feel Proud: Gender and Sexuality Studies at Penn State," through Oct. 31.

"Beauty Within the War-Torn Shadows: Visual Arts and Music of the Civil War Era," through Oct. 28.

"Riding the Keystone Rails — Selections from the Railroad Collections of the Special Collections Library," through Oct. 20.

Ritenour

"Photographic Ethnobotany: Peruvian Plants and People," through Oct. 22.

Waring Commons

Prints by Rachel Simon, through Dec. 3.

Warrock Commons

Paintings by Kevin Sivka, through Dec. 2.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Promotions

Technical Service

Trina M. Beightol, janitorial worker in Office of Physical Plant

Brenda K. Crowmover, senior salesroom attendant in College of Agricultural Sciences

Charles T. Donley, senior water tunnel operator/assistant model mechanic in Applied Research Laboratory

Carroll G. Heckman, toolmaker in Applied Research Laboratory

Harold T. McCartney, heating and ventilating technician in Office of the Physical Plant

Christopher Miller, toolmaker in Applied Research Laboratory

Larry E. Neugebauer, toolmaker in Applied Research Laboratory

Steven L. Rainey, toolmaker in Applied Research Laboratory

Robert C. Sennett, heating and ventilating technician in Office of the Physical Plant

David C. Thompson, toolmaker in Applied Research Laboratory

John T. Whelan, maintenance mechanic B at Penn State Delaware County

John D. Winn, maintenance worker in Office of the Physical Plant

John D. Winn, maintenance worker in Office of the Physical Plant

John D. Winn, maintenance worker in Office of the Physical Plant

Staff

Pamela M. Aikay, administrative assistant I in College of Arts and Architecture

Cathy E. Antes, staff assistant V in Division of Outreach and Cooperative Extension

Timothy W. Auman, library assistant III in University Libraries

Joanna C. Baldi, manager, ticket operations at The Bryce Jordan Center

Janice A. Barnoff, manager, research programmer in Office of the Corporate Controller

Katina L. Bartley, staff assistant VI in College of the Liberal Arts

Elizabeth A. Bechtel, director, outreach marketing communications in Division of Outreach and Cooperative Extension

Margaret J. Becker, development assistant in Division of Development and Alumni Relations

Susan R. Blauer, senior conference services manager at The Penn State Conference Center Hotel

Lucy A. Boyce, library assistant I in University Libraries

Jean A. Brownley, supervisor, accounting control in Office of the Physical Plant

Kristy K. Catalan, administrative assistant III in The Smeal College of Business Administration

Barbara M. Catherman, proposal and grant aide in College of Agricultural Sciences

Mary A. Clark, staff assistant VI in Division of Outreach and Cooperative Extension

Barbara J. Crain, staff assistant VI in College of Engineering

M. B. Crowe, director of planning and administration in Division of Outreach and Cooperative Extension

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M. B. Crowe, director of planning and administration in Division of Outreach and Cooperative Extension

Michael S. Dann, senior program developer in Division of Outreach and Cooperative Extension

Teresa A. Davis, director of transportation in Business Services

María L. Di Cola, research support technician II in Office of the Vice President for Research

Anna M. Donczek, manager financial and administrative services in Division of Outreach and Cooperative Extension

Steven D. Dotts, microcomputer information specialist in College of the Liberal Arts

Adam K. Downing, associate extension agent in College of Agricultural Sciences

Anne-Marie Dyer, senior statistical analyst in College of Medicine, Hershey Medical Center

Michael C. Erdman, associate health physicist in College of Medicine, Hershey Medical Center

Lisa D. Faust, building coordinator in College of Arts and Architecture

James E. Fong, director, marketing research and planning in Division of Outreach and Cooperative Extension

Claudio A. Frumento, network and systems analyst in College of Agricultural Sciences

Gary L. Gates, staff assistant V in Undergraduate Admissions, Office of the Vice Provost and Dean for Enrollment Management and Administration

Susan E. Ganssaul, microcomputer information specialist in College of the Liberal Arts

Lisa M. Harbaugh, staff assistant VII in Division of Outreach and Cooperative Extension

Brian K. Heckman, assistant, marketing in Division of Outreach and Cooperative Extension

Christopher M. Hons, writer-editor in Division of Outreach and Cooperative Extension

Robert J. Horner, research support technician II in College of Agricultural Sciences

Patricia A. Hummer, marketing production services supervisor in Division of Outreach and Cooperative Extension

Beth H. Irvin, staff assistant VII in College of Agricultural Sciences

Richard E. James, manager of facilities at The Bryce Jordan Center

Albert W. Karosas, associate general manager at The Bryce Jordan Center

Edward L. Kumm, production manager at The Bryce Jordan Center

Jason D. Lennon, network and systems analyst in College of Medicine, Hershey Medical Center

Carol L. Lockard, coordinator MBA programs in The Smeal College of Business Administration

Roxanne M. Masisak, staff assistant V at Penn State DuBois

Mary J. Mc Cahan, executive housekeeper at The Penn State Conference Center Hotel

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Grace E. Mc Chesney, library assistant II, serials team in University Libraries

Jean A. McGrath, director, student services in Division of Outreach and Cooperative Extension

John R. McKee, associate director for contracts in College of Engineering

Melanie J. McKinney, graduate enrollment assistant in Graduate School

Melinda K. Meyers, aide, marketing in Division of Outreach and Cooperative Extension

Heather L. Middleton, assistant director in Division of Outreach and Cooperative Extension

Cynthia A. Miller, staff assistant VI in Housing and Food Services

Wendy E. Miller, travel coordinator in Business Services

Ingersoll E. Millicent, graduate enrollment assistant at Penn State Great Valley

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Tami L. Mizikar, administrative assistant III in Division of Outreach and Cooperative Extension

Susan L. Morrissey, staff assistant VI in College of Health and Human Development

Ellen J. Nagy, senior associate marketing in Division of Outreach and Cooperative Extension

Velen L. Nelson-Degrave, research support assistant in College of Medicine, The Hershey Medical Center

Kathryn M. Neureiter, assistant coordinator contracts and grants management at Penn State DuBois

Marcia L. Newell, financial and accounting assistant at Penn State DuBois

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Sophie W. Penney, director of development II in Division of Development and Alumni Relations

Deborah J. Pepple, materials specialist in Computer and Information Systems — Telecommunications

Raymond K. Pruss, facilities administration officer in College of Agricultural Sciences

Debra A. Putt, administrative assistant III in College of Health and Human Development

Gloria L. Rhule, project associate in College of the Liberal Arts

Lori A. Rigg, staff assistant V at The Bryce Jordan Center

Amy E. Riser, staff assistant VII in Eberly College of Science

Michelle M. Rudaill, staff assistant V in Housing and Food Services

Angie L. Russell, administrative assistant I at Penn State DuBois

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Cecilia R. Sanker, purchasing manager in Housing and Food Services

Carolyn L. Saxton-Sharp, staff assistant VII in College of Communications

James R. Schmidt, data management project leader in College of Medicine, Hershey Medical Center

Ronald B. Servello, facilities administration officer in University Libraries

Kathy L. Shoemaker, staff assistant IX in Applied Research Laboratory

Christine S. Shugars, staff assistant VI at Penn State Berks

Barbara B. Sherry, staff assistant VII in Division of Outreach and Cooperative Extension

Barby A. Singer, staff assistant VI in Eberly College of Science

Danna J. Smith, proposal and grant assistant in College of Engineering

Linda M. Spangler, staff assistant VI in College of Earth and Mineral Sciences

Cory M. Staub, senior technician-research in College of Medicine, Hershey Medical Center

Jonathan P. Stoltzfus, associate research engineer in Applied Research Laboratory

Douglas L. Tice, financial analyst in Office of Corporate Controller

Frederick W. Tillotson, associate research engineer in Applied Research Laboratory

Kathryn P. Urbaniak, graduate enrollment assistant at Penn State Great Valley

Amy D. Yashaw, training education and development specialist in College of Arts and Architecture

Kimberly E. Walker, staff assistant VI in College of Health and Human Development

Lawrence R. Wentzel, digital preservation coordinator in University Libraries

Brenda M. Wert, staff assistant VI in College of Health and Human Development

Susan J. Wiedemer, coordinator, financial analysis and cash management in Office of Corporate Controller

Kadi K. Winner, staff assistant VI in College of the Liberal Arts

W.L. Witherite, advanced engineering aide in Applied Research Laboratory

Michael C. Wolff, clinical social worker in College of the Liberal Arts

Kaye W. Yarnell, administrative assistant I in Eberly College of Science

Marie L. Young, marketing creative services supervisor in Division of Outreach and Cooperative Extension

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Graduate School plans honors with 3 awards

Nominations are being sought for three University Graduate School awards.

The Graduate Faculty Teaching Award and the Graduate Assistant Outstanding Teaching Award were created to acknowledge exceptional instruction at the graduate level. Recipients will receive \$500 at the award ceremonies in the spring.

Nominations also are being sought for the Howard B. Palmer Faculty Mentoring Award.

Nomination deadline for all three awards is Nov. 1.

The Graduate Faculty Teaching Award is open to all faculty members who have been tenured members of the graduate faculty for a minimum of seven years, who have demonstrated excellence in the supervision of graduate students with their thesis work

and who have not yet received the University's highest accolade for teaching and scholarship (an Evan Pugh professorship, a distinguished professorship or the Eisenhower or Lindback awards). Graduate students, faculty or staff may submit nominations to the nominee's graduate program professor-in-charge. Each graduate program is limited to one nomination.

The Graduate Assistant Outstanding Teaching Award is open to graduate students who have served as graduate assistants for at least two semesters within the last two years — from fall 1999 to fall 2001. Degree candidates carrying the title of instructor are not eligible for the award. Nominations may be submitted to the nominee's graduate officer or department head. Typically, 10 awards are made.

The Howard B. Palmer Faculty Mentoring Award was established in 1991 in honor of Howard B. Palmer, who served as senior associate dean of the Graduate School from 1985 to 1991. The award, which consists of \$1,000 and a certificate, will be presented to a full-time member of the faculty who has demonstrated "effective mentoring through guiding and nurturing the collegial and professional development of junior faculty."

For information, call (814) 865-2514 or e-mail gradgrants@psu.edu. Information is available on the Graduate School's Web site at <http://www.gradsch.psu.edu/fellow/hbpalmer.html>.

Information about the teaching awards is available on the Graduate School's Web site at <http://www.gradsch.psu.edu/fellow/honorar.html>.

Search begins for director of state relations

The Office of Governmental Affairs is seeking someone for the position of director of state relations.

The office reports directly to the president of the University and is administered by the special assistant to the president for governmental affairs. The director of state relations also will report to the special assistant to the president. The individual filling this position will interact closely with the University president and senior University officials concerning government relations in the state capital.

Primary responsibilities include monitoring legislative developments and attempt-

ing to influence the outcome of legislative proposals. This individual must interact daily with elected and appointed officials and staff in Harrisburg. In addition, this person will participate as a member of a Governmental Affairs team that includes the College of Medicine at Hershey and a director of federal relations.

The successful candidate should have knowledge of the structure and functions of the state government and an awareness of the political culture and personalities involved in the political process. Excellent oral and written communication abilities are essential with an emphasis being placed on

excellent interpersonal skills.

This position is located at University Park campus. It requires frequent traveling to Harrisburg and other University locations as well as meeting with legislators in their districts. Submit a letter of interest and resume that outlines experience in all facets of the position described above with three letters of reference including telephone numbers to: Anthony Wagner, chairman, Director of State Relations Search and Screening Committee, Position 11957, 415 Old Main, University Park, Pa. 16802.

The committee will begin screening applications on Oct. 15.

OBITUARIES

Deane K. Smith Jr., professor emeritus of mineralogy in the College of Earth and Mineral Sciences, died Sept. 7. He was 70.

In 1952, Smith earned a bachelor's degree in geology from California Institute of Technology and in 1956 graduated with a doctorate degree in geology from the University of Minnesota.

He was a research associate of the Portland Cement Association Fellowship at the National Bureau of Standards in Washington, D.C., and a chemist and assistant section leader at the Lawrence Radiation Laboratory in California before coming to the University.

In 1968, he joined Penn State's Department of Geosciences as an associate professor and became professor in 1971.

During his 27 years of teaching and research at the University, he published many papers and won numerous awards, including the C.S. Barrett Award in Diffraction Analysis for lifetime achievement in X-ray diffraction. A newly discovered mineral, deanesmithite, was named after him.

Smith was past chairman of International

Center for Diffraction Data; the first editor for the *Journal of Powder Diffraction*, Fellow of the Geological Society of America and the Mineralogical Society of America and he was elected to the Commission on Powder Diffraction of the International Union of Crystallography.

Charles W. Brookhouser, junior at Penn State McKeesport, from Jan. 2, 1979, until his retirement Jan. 1, 1992; died Sept. 3, at the age of 76.

John H. Doolittle, associate professor of exercise and sports science in the College of Health and Human Development, from Sept. 1, 1963, until his retirement Jan. 1, 1990; died Sept. 13. He was 71.

Paul W. Houck, Penn State information coordinator in College of Agricultural Sciences, from Dec. 1, 1978, until his retirement June 20, 1991; died Aug. 7, at the age of 75.

Freda J. Hyde, laboratory technician in the College of Agricultural Sciences, from July

1, 1962, until her retirement Jan. 1, 1980; died Aug. 7. She was 82.

Thomas B. Kneen, head division mechanical design in Office of Physical Plant, from Sept. 1, 1947, until his retirement Jan. 1, 1973; died Aug. 24, at the age of 91.

Leo R. McGinnis, warehouse worker in Business Services, from Sept. 30, 1970, until his retirement May 26, 2001; died Aug. 6. He was 54.

Richard J. Prendergast, supervisor, trades in Office of the Physical Plant, from May 13, 1969, until his retirement Jan. 3, 1985; died Aug. 17, at the age of 78.

Michael P. Temo, maintenance worker, utility in Office of Physical Plant, from Nov. 12, 1973, until his retirement March 31, 1984; died Aug. 7. He was 80.

Bernard H. Vogt, shop carpenter A in Office of the Physical Plant, from Oct. 29, 1969, until his retirement Oct. 1, 1991; died Aug. 2, at the age of 70.

Benefit dinner will transform Café Laura into French bistro

For one night at least, Café Laura patrons might think they are in Paris instead of State College.

That's because Café Laura, located in Mater Building on the University Park campus, will be converted to a French bistro for a dinner to benefit the Centre County United Way. The annual dinner, sponsored by the College of Health and Human Development and Penn State Food Services, will take place at 6:30 p.m. Saturday, Oct. 13.

Those attending this year's dinner will be treated to a French meal prepared by executive chef Matt Lambert



and his

staff. The evening's menu includes blue cheese and potato tart; jumbo lump crab cake with infused oils; organic greens with goat cheese; filet mignon with red wine reduction; and caramelized apple tart. Guests are invited to bring their favorite wine to enjoy with the meal. Door prizes from local merchants will be awarded after dinner.

According to Elana Pyle, co-chair of the College of Health and Human Development United Way campaign, all of the food is courtesy of Barry Scerbo, director of food services, and Lambert has donated his time to prepare the meal.

Tickets for the event are \$30 and must be purchased in advance. Tables may be reserved. For more information or to make reservations, contact Tina Meyers at (814) 865-3253 or tmm2@psu.edu.

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Focus on Research

Vitamin A plays role in body's defenses

By BARBARA HALE
Public Information

Experiments with human cells conducted by researchers have shed new light on vitamin A's role in the immune response, suggesting that the vitamin's active form may enhance the effectiveness of interferon, one of the body's natural defense chemicals and an immune system regulator.

Catharine Ross, who holds the Dorothy Foehr Huck chair in nutrition in the College of Health and Human Development, led the research effort.

"There are quite a few animal studies that show that vitamin A deficiency affects inflammation and the immune system's response," she said. "These new data from experiments with human cells suggest that vitamin A augments natural interferon's regulatory response. Less interferon may be necessary when the active form of vitamin A is adequate."

In autoimmune diseases, the victim's immune system overreacts and attacks the body. For example, in multiple sclerosis, the immune system attacks the brain and spinal cord. In arthritis, the joints are attacked and in inflammatory bowel disease, the gut is the target.

Modified forms of interferon are currently being used to treat various autoimmune diseases such as multiple sclerosis, arthritis, inflammatory bowel disease or chronic inflammation. Ross speculated that the new data suggest that maintaining a person's normal levels of vitamin A may enhance the effectiveness of the form of interferon that is already in use as a medicine.

Qiuyan Chen, research associate, and Yifan Ma, a graduate fellow, collaborated on the research with Ross.

In the experiments, human cells, called macrophages, that are the first step in antibody production as well as potent mediators in the inflammatory response, were stimulated under both vitamin A deficient and sufficient conditions.

Chen said, "The cells were deficient in vitamin A at the outset when we observed their response to inflammatory stimuli. Then, we gave them a normal physiological level of retinoic acid, the form in which vitamin A is active in the body, and observed an enhanced activity of the interferon."

The experiments also showed that the presence of retinoic acid can inhibit other known inflammatory and immune response mediators, including tumor necrosis factor.

Ross explained, "We're looking at these basic cellular processes in order to understand the mechanisms of productive immune responses and to try to find ways to control the pathologic responses. While these basic studies are not targeted at specific diseases, they do shed light on the underlying disease processes."

"Patients should continue to follow their personal physician's advice," she added. "Vitamin A is a potent drug as well as a nutrient."

Barbara Hale can be reached at bah@psu.edu.



Catherine Ross, holder of the Dorothy Foehr Huck chair in nutrition in the College of Health and Human Development, has recently reported on research on Vitamin A. Studies suggest the vitamin's active form may enhance the effectiveness of interferon.

Photo: Greg Grieco

Burning can clean up many ocean oil spills

By BARBARA HALE
Public Information

University researchers have shown in laboratory experiments that some open water oil spills previously thought to be incombustible potentially can be cleaned up via burning, the most efficient, rapid and environmentally friendly option.

Anil K. Kulkarni, professor of mechanical engineering, said, "Oil spill combustion can be a highly effective cleanup measure for contained spills occurring on open water bodies, such as an oil spill on the ocean contained by booms or a spill surrounded by ice. When feasible, it is an inexpensive technique that can have a very high efficiency of removal, possibly greater than 99 percent. The burning is very rapid and any resulting ecological damage is less severe compared to conventional oil removal methods."

However, the window of opportunity for using burning is often limited by wave and wind conditions and by the proximity of the spill to populated areas. In addition, over time, oil spilled at sea becomes mixed with water forming an emulsion that is difficult or impossible to ignite.

Now, University researchers have widened the applicability of burning by showing that diesel fuel emulsions up to 80 percent water and crude oil emulsions up to 35 percent water can be ignited. In laboratory experiments, they demonstrated that positioning an external radiant heat source near the spill facilitates ignition. In addition, they have developed simple charts for use as a quick reference to determine the minimum external heat source needed to facilitate burning.

Kulkarni points out, however, that an open water demonstration still needs to be done to show proof of concept.

The researcher detailed the findings in a paper at the Arctic and Marine Oil Spill Program meeting in Calgary, Canada. His co-author is A.Y. Walawalkar, who recently earned his doctorate at Penn State; part of the work was the subject of Walawalkar's doctoral dissertation.

Barbara Hale can be reached at bah@psu.edu.

Scientists detect what may be universe's first powerful source of light

An international team of 28 scientists from the Sloan Digital Sky Survey, including two University astronomers, has found evidence that the most distant object yet detected may be one of the universe's first powerful sources of light, solving a mystery that had eluded scientists for nearly four decades — when did light first start to break through the dark clouds that filled the early universe.

The object is a quasar, a type of galaxy that produces intensely luminous radiation from the violent destruction of some of its stars by its own central black hole. This particular quasar is one of several very distant such objects whose discovery was announced in June by Donald Schneider, professor of astronomy and astrophysics, who has

been chair of the Sloan Digital Sky Survey quasar science group since its inception in the early 1990s. Schneider, along with postdoctoral fellow Gordon Richards, is a coauthor of the recent mystery-solving analysis of the quasars' spectra from new, high-quality observations with the Keck telescope in Hawaii.

The most distant quasar yet discovered sits at the astronomical ZIP code known as "redshift 6.28," which is so far away that the object's light started on its journey toward Earth when the universe was only about 5 percent of its current age.

For the full story, go to <http://www.science.psu.edu/alert/Schneider8-2001.htm>.



Department of Public Information
312 Old Main, University Park,
PA 16802

Phone: (814) 865-7517

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Annamarie Mountz, editor

Julie A. Brink, associate editor

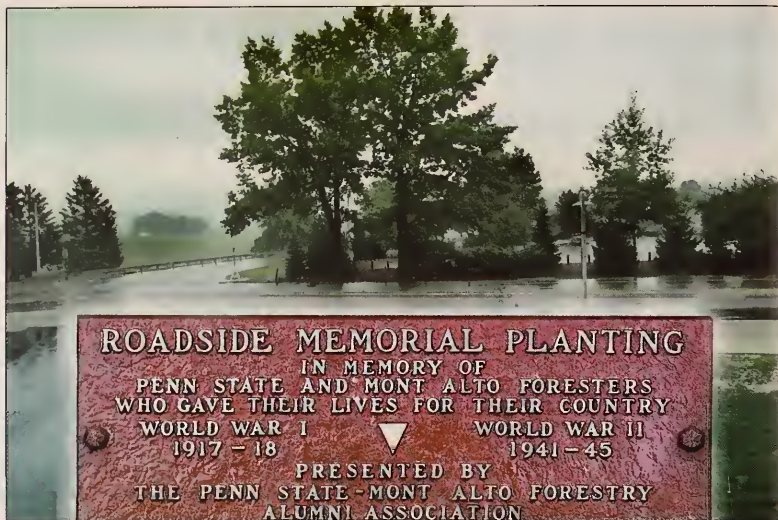
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Heritage tree candidates



This small grove of Black Oaks at the east end of Curtin Road, near Beaver Stadium on the University Park campus, encompasses a memorial and is an example of a grove that could be nominated for protection to the University Tree Commission.

Photo illustration: Greg Grincio

Heritage trees, groves protect leafy past

By GARY CRAMER
Public Information

Few American colleges or universities can boast of tree populations with the scope and diversity found on the University Park campus, so it's not surprising that many people in the University community consider a specific campus tree or grove their favorite.

Now, a new policy (MO163) seeks to protect on-campus trees and groves that have exceptional historical, cultural and/or aesthetic value because of age or an association with an important event or person. In order to put the policy into full effect, the University Tree Commission is calling for nominations from across the campus for these "Heritage Trees" and "Heritage Groves."

"The Tree Commission advises the Office of Physical Plant regarding trees that may need to be removed due to disease or damage, that are to be added as part of new landscaping or that could be lost to construction — particularly those trees that are, or could become, of great value to the University," noted Kelleann Foster, associate professor of landscape architecture and chair of the commission.

"The Heritage designation will be pretty selective, because it will grant trees a level of protection that will influence future campus planning considerations."

The commission will collect nominations from faculty, staff and students, and review the short form that nominators need to provide about the trees' or groves' historical or cultural value. The commission will then recommend those that seem most worthy of protection to the Assistant Vice President for Physical Plant for review and endorsement. Final approval authority will lie with the Senior Vice President for Finance and Business.

"By definition, the value of a Heritage Tree is such that replacement of the tree in-kind would be impossible," Foster said. "An example of a Heritage Tree candidate would be a tree of great character and vitality that predates Penn State's founding in 1855. Another example would be the lone remaining 'Ghost Walk' Norway Spruce behind Old Botany."

A Web site at <http://www.psu.edu/ur/about/trees.html> shows examples of some notable trees.

According to the policy, Heritage Groves are groupings of trees that have

significant historical, cultural and/or aesthetic value in the aggregate, but which might be replaceable as individuals. Examples of Heritage Grove candidates include Hort Woods along Park Avenue and the American Elms on the Allen Street Mall.

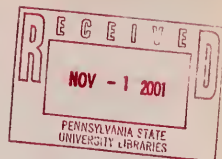
The first round of nominations for Heritage Trees and Heritage Groves will run through Nov. 15 and windows of opportunity for future nominations will open on an as-needed basis to be determined by the Tree Commission. A five-year cycle is likely. Nominations must include the location of the candidate tree/grove and a short narrative explaining how it fulfills at least one of the four criteria of age, historic significance, location/setting and size/habitat for heritage designation.

For information on the policy, the procedures for nominations and a printable nomination form, visit <http://www.psu.edu/ur/about/trees.html>, or call Foster at (814) 863-8133 or e-mail ked15@psu.edu, or call commission member Kim Steiner, professor of forest biology, at (814) 865-9351 or e-mail Steiner@psu.edu.

Gary Cramer can be reached at guc104@psu.edu.

Intercom

INFORMING THE PENN STATE COMMUNITY



OCTOBER 11, 2001

2001 legislative changes significantly affect retirement plans

Among the many tax law changes in the Economic Growth and Tax Relief Reconciliation Act of 2001, Congress included reforms that can significantly increase the amount of money that individuals may contribute to tax-deferred retirement programs. These reforms affect Tax Deferred Annuity contributions made through payroll deduction and also extend to private retirement accounts such as Individual Retirement

Accounts (IRAs). The following are some of the most significant changes that are relevant to faculty and staff:

■ **Maximum Exclusion Allowance:** Current Internal Revenue Service (IRS) regulations limit the percentage of gross income that an individual can tax-defer annually. These percentages have varied from year to year and are affected by your retirement plan choice. Effective Jan. 1, this percentage limitation is

repealed. For many faculty and staff this means the opportunity to contribute more to a TDA.

■ **Limit on Elective Deferrals:** In addition to the percentage maximum, current IRS regulations impose an annual dollar maximum on tax-deferred contributions, currently \$10,500. While a maximum dollar limit continues, that amount will increase to \$11,000 in 2002 and is scheduled to

increase by \$1,000 each year through 2006.

■ **Catch-up Provisions:** Effective Jan. 1, participants age 50 and older may make elective deferrals above the statutory limits as outlined above. These employees will be able to contribute an additional \$1,000 in 2002, \$2,000 in 2003, \$3,000 in 2004, \$4,000

Retirement, page 2

We care



Naomi Manning, coordinator of reunions and homecoming activities for the Alumni Association, scrubs the front porch at Centre Furnace Mansion near the University Park campus to prepare it for a new coat of paint. Manning was among the roughly 6,000 volunteers throughout Centre County to participate in the annual PNC Bank-United Way Day of Caring. For more information about this and other United Way events involving the University, check the Web at <http://www.psu.edu/ur/events/unitedway/>.

Photo: Greg Grifco

University supports military reservists who are called to duty

Since the tragic events of Sept. 11, tens of thousands of military reservists have been called to active duty nationwide. More than 425 military reservists in Pennsylvania have been called to active duty in the past week. The University is ready to support those students, faculty and staff in the military reserves who could be affected now or in the near future.

"The University community stands ready to support all those whose studies and work may be put on hold in this time of national need and should be aware that policies already are in place that will protect the status of students and employees," said President Graham B. Spanier.

"Our flexibility is an important contribution that we can make to the national effort to protect and defend against further senseless acts such as those that the world witnessed Sept. 11."

In such cases when students must withdraw from their studies for military duty, the students should contact the campus registrar and present a copy of the military orders. An official withdrawal form will be signed by the student and the campus registrar.

If timing does not permit an initial presentation of the military orders, the student

Support, page 2

Retirement

Continued from page 1

in 2005 and \$5,000 in 2006. Additionally, faculty and staff with at least 15 years of service may be eligible to contribute up to an additional \$3,000 per year.

■ **Portability:** The ability to roll over funds from one retirement plan to another has been restricted by IRS regulations. University employees who have retirement funds in a previous employer's 401(k) plan have been prohibited by IRS regulations from rolling those funds into the University's 403(b) plan with TIAA-CREF. Instead they were required to roll over the money to an IRA. Effective Jan. 1, the rollover of distributions between qualified retirement plans will be allowed. Similarly, individuals may roll over IRAs into a TIAA-CREF retirement plan.

■ **IRA Contribution Limits:** The current \$2,000 maximum IRA contribution will increase to \$3,000 for calendar years 2002 through 2004; \$4,000 for 2005 through 2007; and \$5,000 in 2008. The new regulations also provide for catch-up provisions for participants age 50 and over. Eligibility for tax-deductible IRA participation will continue to be determined by adjusted gross income. Specific information regarding IRAs is available in IRS publication 590.

■ **Educational IRA Limits:** The \$500 annual limit for contributions to an educational IRA increases to \$2,000.

■ **Maximum Compensation Limits:** An employee's current retirement plan contribution, as well as the University's, is limited to a percentage of the first \$170,000 of annual earnings. That limit will increase to \$200,000 in 2002.

■ **Contribution Limits to TIAA-CREF retirement:** As a defined contribution plan, annual contributions by both employer and employee cannot exceed 25 percent of salary or \$35,000. That dollar maximum increases to \$40,000 in 2002.

■ **Tax Credit for Low and Middle-Income Savers:** Starting in 2002, taxpayers with income of \$25,000 or less (\$30,000 for joint filers) will be eligible for a tax-credit for contributions to tax-deferred retirement plans such as TDAs or IRAs. The amount and percentage of the credit will be determined by adjusted gross income and filing status. For example, individuals with an adjusted gross income of \$15,000 or less can receive a tax credit equal to 50 percent of the amount of his or her IRA contribution.

The above information is designed as an overview of the upcoming changes. Specifics regarding individual investment strategy and/or options can be addressed by a TDA company. Representatives from each of the five companies authorized to provide TDAs at the University will be available at the Benefits Open Houses on Nov. 13 and 20.

At any time during the year employees may enroll in a TDA and also may change the amount that is deducted from the employee's pay. If an employee wishes to change the amount of the contribution, he or she will need to complete a new Voluntary Salary Reduction Agreement, indicating the new deduction amount or percentage. These forms are available for download from the Employee Benefits Division Web site at <http://www.ohr.psu.edu/benefits/vsra.htm>.

If an employee currently is making the maximum tax-deferred deduction but wishes to take advantage of the higher contribution amount available in 2002, he or she must complete a new salary reduction agreement. The dollar amount or percentage of pay that is being contributed to a TDA will be included on the statement of current benefits that each employee will receive this month. Also available online is the Tax Deferred Annuity Summary, which provides general TDA information as well as specifics about each of the five companies providing TDAs to faculty and staff.

General questions regarding TDAs should be directed to the Employee Benefits Division at bene@psu.edu or by phone at (814) 865-1473.

DuBois educates community about Hispanic culture

A Penn State DuBois faculty member committed to bringing other cultures into rural classrooms is taking her message beyond the campus to local schools and the community.

Deborah Gill, assistant professor of Spanish at Penn State DuBois, has created a surge of interest in Spanish language and culture among campus students by offering introductory and advanced Spanish classes, leading trips to Spain and organizing a Summer in Madrid study program.

But she's not stopping there. Her goal is to reach out to the community and local elementary and high schools with a variety of events designed to motivate others to learn about different cultures.

"I'm trying to get the community involved in what our students are doing here," said Gill. "We want everyone to realize there are different cultures and people out there and help them develop a deeper appreciation for and understanding of others. I also believe outreach activities strengthen the special bond our campus already has with the community."

Gill's Spanish students and members of the Spanish Club are helping coordinate the events, all of which are free to the public.

The agenda includes two Spanish films with English subtitles: "The Official Story" on Oct. 22 and "Buena Vista Social Club" on Nov. 19. Each begins at 12:15 p.m. in the Hiller Building auditorium.

A Language Table will be held at 12:15 p.m. Oct. 15, 29, Nov. 5 and 26 in the Hiller Building Quiet Lounge or the Smeal Building Conference Room. The table will feature general conversation and is designed to give everyone a chance to learn a little Spanish without formally enrolling in a class.

On Sept. 28-30, the students cele-



Spanish students at Penn State DuBois celebrated Hispanic Heritage Month by holding a variety of events at the campus Sept. 28-30. Here, student Tonya Bell (foreground) helps Jeffrey Makkos and Elie Haering decorate Ecuadorian festival headresses, while student Mike Reinhart works with Seth Michaels.

brated Hispanic Heritage Month with games, songs, dances and crafts from Spanish-speaking countries.

Later in the fall, Spanish I students will be hosts for a traditional Day of the Dead celebration Nov. 1-2. In December, local elementary students will take part in Navidad Hispanicas, a matinee show filled with holiday songs.

In April, students will visit local Head Start and other early childhood education programs to observe A Rose and A Book Day. Students will share Spain's traditions with the children and present each with a storybook and a flower. They also will work with local elementary school classes to prepare bilingual books. The campus students will write the text and the youngsters will draw the pictures.

In addition to these events, the Spanish Club will be host for several more activities and will sponsor a trip to Spain over spring break, March 2-9.

Gill is the first to admit that planning and being host for this many events is a lot of work for her and her students, but is quick to point out that it helps reinforce everything they are learning in the classroom.

For Gill, the benefit of organizing all these activities is the knowledge that she's having an impact on the belief system of future generations.

"Developing an appreciation for other people and cultures starts at an early age, and I think our work with children will spark their interest in different cultures and have a positive influence on our community for years to come."

Support

Continued from page 1

may initiate the withdrawal by providing a formal request to the University Registrar.

Questions from students during military absence regarding their status or procedures for re-entry into the University can be directed to the Veterans Program Office at (814) 863-0465.

Leave of absence procedures also are in place for faculty and staff who are called to active duty. Those affected should contact their unit's human resources representative. The employee policy for military leave of absence (HR-19) can be viewed online at <http://www.ohr.psu.edu/policy/HR19.cfm>.

In addition, Computer and Information Systems will maintain the access accounts (<http://cac.psu.edu/accounts/access.html>) for currently enrolled students and employees who are called away for military duty.

In order to keep their access accounts, students and employees do not need to contact Computer and Information Systems.

Currently enrolled students who process a military withdrawal with the Office of the Registrar will maintain their access account automatically. Full-time employees who take a leave

of absence for active military service or training (as per policy HR19 at <http://guru.psu.edu/policies/OHR/hr19.html>) also will maintain their access accounts automatically. Part-time employees should contact their supervisors or human resources representatives.

Supervisors or human resources representatives must e-mail accounts@psu.edu to obtain an extension for part-time employee accounts.

Questions about access accounts can be directed to the Center for Academic Computing Accounts Office at (814) 865-4772 or accounts@psu.edu.

Ground is broken for Life Sciences Building at University Park

By MICHAEL BEZILLA
University Relations

University and state officials on Oct. 5 broke ground for a new Life Sciences Building that will house interdisciplinary teaching and research activities related to fields as diverse as plant biology, neuroscience and molecular toxicology.

The new facility comes in response to a growing awareness of the life sciences' importance in solving some of the most fundamental problems of human existence. Years of steady growth in enrollment have resulted in about 5,000 students pursuing a variety of life science majors across several academic colleges. In addition, the Life Sciences Consortium, formed in 1995, now includes about 500 faculty representing seven academic colleges. The consortium aims to encourage research alliances across disciplinary boundaries and develop new approaches to applications of basic science.

"Penn State needs a state-of-the-art facility where scholars from across the University can work collaboratively on issues that characterize the life sciences today," said President Graham B. Spanier. "We have assembled a world-class team of faculty and students, but now our team must have room to grow if the University is to continue to be a leading force in the life sciences."

The 152,000-square-foot structure is expected to cost \$44 million. It will be located along Shortridge Road between Thomas Building and Eisenhower Auditorium on the University Park campus. It will feature classrooms that foster hands-on experiences for students, videoconferencing capabilities, a 182-seat auditorium and 38 laboratories organized around four research clusters: animal developmental biology, neuroscience, molecular toxicology and plant biology. University funds will provide \$29 million, and the University is aiming to secure the remaining \$15 million from private donations.

The building will include a glass-enclosed connection at upper-floor levels with the new chemistry building, also under construction, to facilitate collaborative research activities in the two buildings. The building's architects are Bower Lewis Thrower Architects of Philadelphia and Payette Associates of Boston. Completion is expected by mid-2003.

"This building will be a magnet for programs far flung across the University," said Eva J. Pell, vice president for research, dean of The Graduate School and Steiner professor of agricultural sciences.

"What makes life science research so exciting is the capacity to go from the most fundamental understanding of problems confronted by living systems, and then using that understanding to develop solutions," she noted. "For example, we have faculty studying the molecular biology and physiology behind regulation of water loss from the surface of plant



This artist's rendering shows the Life Sciences Building, connected to the Chemistry Building with a glass-enclosed corridor that will span Pollock Road on the University Park campus. Below, the ground-breaking ceremony on Oct. 5 was well attended.



Photo: Greg Oneto

leaves. That understanding will lead to potential genetic modification of plants to make them more resistant to drought, one of the limiting factors to plant productivity worldwide."

Pell said that planning for a new life sciences facility began at the recommendation of a faculty study group in 1994. Under Spanier, a building development plan emerged that included the Eberly College of Science and the Colleges of Agricultural Sciences, Health and Human Development, and Medicine, with the Colleges of Earth and Mineral Sciences, Engineering and the Liberal Arts as additional components.

Edward R. Hintz, chairman of the Board of Trustees, and Nina Fedoroff, director of the Life Sciences Consortium and Willaman Professor of Life Sciences, also participated in the ground-breaking ceremonies.

Spanier expressed appreciation for private gift commitments that had been received thus far, citing major gifts from Catherine V. Beath, Paul and Mildred Berg, Carl O. Clagett, Dauter Family Foundation, Sylvia A. Hoch, Woodrow E. Hoch, J. Lloyd and Dorothy B. Huck, A.M. "Don" and Marion L. MacKinnon, the late George L. McClelland, and Verne and Betty Willaman.

Administrative Fellows Program informational luncheon set for Nov. 7

A luncheon for people interested in the Administrative Fellows Program will be held from 11:30 a.m. to 1:30 p.m. Wednesday, Nov. 7, in the Alumni Fireside Lounge at The Nittany Lion Inn on the University Park campus.

The Administrative Fellows Program offers faculty and staff the opportunity to

work with senior University officers to gain knowledge and experiences pertaining to the challenges of leadership in the academic community. The program provides the chance for participants to strengthen their administrative talents and qualifications by working with an administrator in a mentoring relationship.

Mentors for the 2000-03 academic year will be William W. Asbury, vice president for student affairs; Rodney A. Erickson, executive vice president and provost; and Darrell G. Kirch, senior vice president for health affairs, dean of the College of Medicine, and chief executive officer of Hershey Medical Center.

The program runs for the academic year and applications will be available in October. Information about the program is on the Web at <http://www.psu.edu/oldmain/sprout>.

To attend the luncheon, RSVP to Kathryn Boynton on or before Monday, Oct. 29, via e-mail at kib8@psu.edu or by calling (814) 863-7494.



Lectures

e-Education leader to be next Forum speaker

Matthew Pittinsky, chairman and co-founder of Blackboard Inc., will deliver the Penn State Forum lecture at noon Friday, Oct. 19, at the Penn State Conference Center Hotel on the University Park campus.

The topic of his presentation is "Dotcom and Beyond."

As founding chief executive officer, Pittinsky has been instrumental in Blackboard's growth, including more than 1,800 client institutions, 450 staff, four acquisitions and more than \$100 million in investment financing.

The Penn State Forum is a lunchtime



Matthew Pittinsky

speaker series offered by the Faculty Staff Club and is sponsored in part by the Penn State Bookstore. It is open to the public. Tickets are \$10 for members and \$12 for non-members and include lunch. Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center on the University Park campus.

Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. followed by the speech and a question-and-answer session at noon.

For information, call (814) 865-7590.

Ben Stein wins attention as Distinguished Speaker

Ben Stein, host of the Comedy Central quiz show, "Win Ben Stein's Money," will speak at 8 p.m. Monday, Oct. 15, at Eisenhower Auditorium on the University Park campus.

Stein's appearance is part of the University's Distinguished Speakers Series. The event is free to the public, but tickets are required. Limited tickets

may be available the night of the speech.

Stein is a longtime screenwriter, author and a well-known actor in movies, television and commercials. He also served as a speechwriter and lawyer for Presidents Richard Nixon and Gerald Ford.

For information, call (814) 863-3786.



Ben Stein

Columnist Leonard Pitts to present lecture

Leonard Pitts Jr., syndicated Miami Herald columnist and author of *Becoming Dad: Black Men and the Journey to Fatherhood*, will deliver the African and African-American Studies Cyril Griffith distinguished lecture at 7:30 p.m. Thursday, Oct. 25, at Heritage Hall in the HUB-Robeson Center on the University Park campus.

His topic is "Coming Together: Race, War and Being American."



Leonard Pitts

inspired by the Sept. 11 terrorist attacks.

Pitts joined the *Miami Herald* in 1991 as its pop music critic. Since 1994, he has penned a column of commentary on pop culture, social issues and family life.

The talk is free to the public, but seating is limited.

For information, call (814) 863-4243 or e-mail ard5@psu.edu.

Landscape architect's topic is 'cheap and green'

Landscape architect and artist Martha Schwartz, 2001-02 Bracken Fellow, will kick off this year's John R. Bracken Lecture Series with "Quik, Cheap and Green" at 8 p.m. Thursday, Oct. 18, in 26 Hosler Building on the University Park campus.

Schwartz is principal of Martha Schwartz Inc., in Cambridge, Mass., and is a registered landscape architect in California, Rhode Island and New Mexico. With a background in fine arts and landscape architecture, Schwartz's major interests lie in urban-scale projects and the exploration

of new design expression in the landscape. Schwartz is an adjunct professor of landscape architecture at the Harvard University Graduate School of Design.

The lecture series, sponsored by the College of Arts and Architecture's Department of Landscape Architecture, honors John R. Bracken, one of the first to graduate from Penn State with a major in landscape architecture and former head of the Department of Landscape Architecture.

The lecture is free to the public. For information, call (814) 865-9511.

All the news that's fit to print



Mike Schubert, right, a freshman in the Eberly College of Science, takes a *New York Times* from Janet Robinson, president of the New York Times Co. Robinson was handing out free copies of the paper to students Oct. 5 in front of the HUB-Robeson Center on the University Park campus and spoke later that day at the Penn State Forum Lunch. The next speaker in the series will be Matthew Pittinsky, chairman of Blackboards Inc., who will speak on Oct. 19. For details, see the story above, left.

Photo: Greg Grieco

Conference marks department's centennial

The Department of Germanic and Slavic Languages and Literatures will hold an international conference on "A Century of German-American Crosscurrents at Penn State (1901-2001)," Oct. 18 to 20 at the Palmer Museum of Art and in Pattee Library on the University Park campus.

The conference, which marks the centennial of the Department of German's foundation, will focus on "German Cultural and Literary Connections and the 'Pennsylvania German Heritage.'"

Speakers include Ursula Hegi, with a reading from her recent book, *Tearing the Silence*; Charles Bierbauer, senior Washington correspondent, CNN; Roger Cohen, former Berlin correspondent of *The New*

York Times; Donald Kraybill, Messiah College, on "The Amish Experience"; and Armin Franck, University of Göttingen, on "Literary Translation."

Concurrent with this conference, two photography exhibits will be shown at Zoller Gallery. "The New Berlin" documents the Berlin of the decade after German unification, while a photo essay by Gary Cachten, nuclear engineering, focuses on "Genres of German Architecture." Both exhibits are open to the public.

For information, a conference schedule and for online registration, check <http://german.la.psu.edu/centennial01/centennial.html>, call Gerhard F. Strasser at (814) 865-2263 or e-mail gfs1@psu.edu.

Non-conventional fertilizers to be discussed

Ephraim Govere, a doctoral candidate in soil science, will speak about "The Agronomic Effectiveness of Non-Conventional Phosphorus Fertilizers Derived From Dorowro Rock, Zimbabwe," from 3:35 to 4:25 p.m., Oct. 12 in

101 Agricultural Sciences and Industries Building on the University Park campus.

The Department of Crop and Soil Sciences is the host for the event. For information, call (814) 863-1601.



More Lectures

Researcher to discuss stem cell prospects

John Gearhart, C. Michael Armstrong professor of medicine and professor of gynecology and obstetrics, physiology and comparative medicine in the Johns Hopkins School of Medicine and professor of biochemistry and molecular biology in the Johns Hopkins University School of Public Health and Hygiene, will speak on "Human Pluripotential Stem Cells: Prospects for Cell-based Therapies" in the Life Sciences

Consortium's Colloquium Oct. 16 on the University Park campus.

The colloquium will be videoconferenced at 4 p.m. from 101 Thomas Building to Lecture Room D at Hershey Medical Center.

At Hopkins, Gearhart serves as director of the Division of Developmental Genetics, director of research for gynecology and obstetrics and director of preimplantation genetic diagnosis.

Safer world will be the topic at U.N. Day dinner

The United Nations Association of Centre County will hold a U.N. Day dinner and discussion from 6 to 8 p.m. Wednesday, Oct. 24, in Dean's Hall at The Penn State Conference Center Hotel on the University Park campus.

The topic for discussion will be "Building a Safer and More Secure World."

Tickets are available until Oct. 17 by calling Helen Bell at (814) 238-6613.

Robin Becker to give public poetry reading

Robin Becker, professor of English and women's studies at Penn State, will give a public reading at 8 p.m. Thursday, Oct. 18, in the HUB-Robeson Center auditorium on the University Park campus.

The reading is Becker's inaugural lecture upon promotion to professor and also is part of the Allegheny Mountains Reading series.

The reading is free to the public.

Prevention of behavior problems will be topic

Jean Dumas, distinguished professor of psychology, will give a lecture from 4 to 5 p.m. Oct. 17 in 207 South Henderson Building on the University Park campus.

The lecture is titled "Parenting classes

as prevention of child behavior problems: engaging and retaining parents who are not asking for help." The seminar is presented by the Prevention Research Center for Promotion of Human Development.

Nominations collected for Outreach Award

Nominations are being accepted for the fifth annual Penn State Award for Faculty Outreach.

The award, designed to recognize faculty who make significant contributions to outreach, has been supported by the Coordinating Council for Outreach and Cooperative Extension and the Faculty Senate Committee on Outreach. It consists of a cash gift of \$1,000.

Full-time faculty members at all locations, whose primary responsibilities are teaching, research and service, are eligible. Consideration will be given to special initiatives that generate, transmit and enhance knowledge between the University and external audiences within the Commonwealth and beyond. Outreach activities can take a number of forms, including but not limited to credit and noncredit instruction; technical assistance; demonstration projects; evaluation studies; and policy analysis.

Nominations should include:

■ **Background:** A concise statement that clearly identifies the outstanding contribu-

tions of the nominee, a vita and two letters of support from University colleagues.

■ **Summary:** Data that outlines the nominee's outreach initiatives, impact of the initiatives, audiences served, problems or issues addressed and results.

■ **Support:** Letters from two external beneficiaries of outreach initiatives regarding the nominee's outreach activity, the value and the impact of the activity.

Nominations will be reviewed and selected by a subcommittee representing the Coordinating Council for Outreach and Cooperative Extension and the Outreach Committee of the Faculty Senate.

Packets and questions should be directed to Patricia Nelson, chair of the Selection Committee and associate dean for Outreach, Cooperative Extension, Technology and International Programs, College of Education, 277 Chambers Building, University Park, Pa. 16802. E-mail Nelson at pnelson@psu.edu or call (814) 865-2525. Submission deadline is Dec. 14. PSU 10/11/01

APPOINTMENTS

Forest ecology professor has been named Steimer professor

Marc Abrams, professor of forest ecology and tree physiology in the School of Forest Resources, has been named the Nancy and John Steimer professor of agriculture in the College of Agricultural Sciences.

The professorship was endowed in 1989 to support the acquisition of equipment, scholarly travel, graduate assistants and other activities related to a designated professor's academic program.

Abrams joined the college faculty in 1982. His research program deals with broad-scale temporal and spatial changes in forests of the eastern United States. This has been accomplished using a multidisciplinary approach, including the fields of community ecology, disturbance ecology, historical ecology, dendroecology (tree-ring analysis) and tree physiology.

His work focuses on understanding how



Marc Abrams

stresses such as drought, climate change, fire suppression and land-use alter forests. Abrams and his collaborators have contributed significantly to the understanding of how forests in the eastern United States have changed during the last 200 to 300 years and may change in the future. The professorship will provide the opportunity for Abrams to continue his work.

Abrams did forest ecology research and taught during a sabbatical in Japan in 1997. He was the recipient of the Hokkaido (Japan) Guest Researcher Award.

Abrams received a bachelor's degree in biology in 1976 from State University of New York at Binghamton. He earned his master's degree in forestry in 1979 and his doctorate in forestry in 1982 from Michigan State University.

Richard J. Koubek named head of Industrial Engineering

Richard J. Koubek has been named head of the Harold and Inge Marcus Department of Industrial and Manufacturing Engineering.

Before joining the University, Koubek was professor and chair of biomedical, industrial and human factors engineering at Wright State University. He also was associate dean for research and graduate studies for the Wright State College of Engineering and Computer Science.

Koubek's research experience focuses on usability, human aspects of manufacturing and



Richard J. Koubek

human-computer interaction.

He received a bachelor of arts in theology and chemistry from Oral Roberts University and a bachelor of arts in psychology and human factors from Northeastern Illinois University. He earned a master's degree in science and a doctorate in industrial engineering at Purdue University.

Koubek has recently co-edited two textbooks: *Design of Computing Systems: Cognitive Considerations and Design of Computing Systems: Social and Ergonomic Considerations*.

Debora Cheney appointed to post of Foster Librarian

Debora Cheney, head of the Social Sciences Library at University Park, was recently named the Foster Librarian.

In her new position, Cheney will provide library services tailored to communications students and faculty. She will continue as head of the Social Sciences Library, with communications as her subject area of specialization.

Lawrence Foster, a 1948 graduate of Penn State, and his wife, Ellen Foster, a 1949 graduate, gave a \$1 million gift to the University to create endowed positions in the University Libraries — the Larry and Ellen Foster Communications Librarian Endowment — and also in the College of Communications. The goal is to facilitate collaboration between the two entities.

COURSES

Health Matters

A class titled "Ask the Nutritionist" will be held from noon to 1 p.m. Oct. 18 at 330 HUB-Robeson Center on the University Park campus.

Wendy Bollinger will talk about under-

standing food labels, whether a protein diet is appropriate and other issues.

Participants may e-mail nutrition questions in advance to hmmatters@psu.edu.

To register, call (814) 865-3085 or register online at <http://www.ohc.psu.edu/health/home.htm>. PSU 10/11/01



Arts & Entertainment

Mark O'Connor to perform

Grammy Award-winning violinist Mark O'Connor, backed by Boston's Metamorphosis Chamber Orchestra, will perform a program of American music at 8 p.m. Saturday, Oct. 13, at Eisenhower Auditorium on the University Park campus.

Tickets cost \$29 for general audience members; \$24 for students; and \$14 for University Park students and children 12 and younger.

Artistic Viewpoints is offered one hour before the performance in the Eisenhower Auditorium Conference Room.

For tickets or information, call (814) 863-0255 or (800) 278-7849. Visit <http://www.cpa.psu.edu> on the Web.

Mouse to trap audience

Share the trials and triumphs of a spunky mouse: who loves school in "Lilly's Purple Plastic Purse," a children's play presented by the Center for the Performing Arts at 2 p.m. Sunday, Oct. 14, in Eisenhower Auditorium on the University Park campus.

Tickets cost \$8. For information, call (814) 863-0255 or (800) 278-7849. Visit <http://www.cpa.psu.edu> on the Web.

Bach's Lunch

The Clarinet Choir will perform Thursday, Oct. 18, during the Bach's Lunch concert at 12:30 p.m. in Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is sponsored jointly by the Lutheran Student Association and the School of Music. After the concert, audience members may take their bag lunches to the Memorial Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Waring exhibit

"Fred Waring and Patriotism" is on display through Nov. 23 in the exhibit case outside "Fred Waring's America" archives in



Kim Morris, publicity assistant for the HUB-Robeson gallery, works on the setup of "Heartdreams and Legends: Story of Two Peoples." The exhibit will be on display through Dec. 4 in the HUB-Robeson Center on the University Park campus.

Photo: Greg Grieco

313 Pattee Library on the University Park campus.

On exhibit are some of Waring's patriotic albums, as well as the tablature to "My America." Waring, who was a University trustee and distinguished alumnus, wrote his "love song to America" just before he died in 1984. It was the last

song he conducted and it was on the stage of Schwab Auditorium.

For information, call Peter Kiefer at (814) 863-2911.

Television studio workshop

MetaStages, a program of the School of Theatre, will hold a television workshop

for teens Dec. 1 and 8 on the University Park campus.

Studio instruction by professionals will include on-camera acting techniques as well as behind-the-camera instruction in camera operation, lighting, audio, floor managing and directing.

For information, call (814) 867-8390.

PENN STATERS

Micaela Amateau Amato, professor of art and women's studies, has been invited to exhibit in Chicago's Wood Street Gallery and Sculpture Garden. Her exhibition, titled "Hallucinations (birds in her throat, she was dreaming)," is about ethnic cleansing and features sculpture and photography. Amato also has been invited to develop a 100-foot sculptural book with master printer Currie Holten, to be shown in a traveling exhibition of artists' books in Egypt and across Europe.

Audrey S. Bollinger, instructor of management information systems at Penn State DuBois, presented a paper, "Issues in Choosing

CASE Tools: A Global Perspective," at the Information Resources Management Association 2001 international conference held in Toronto, Ontario, Canada. Co-authors were **Kristina Krebs** and **Maja Mitrovic** of Kent State University. The conference theme was "Managing Information Technology in a Global Economy."

Barbara Campbell, instructor of visual arts, has been invited to display her recent oil paintings in a solo exhibition in Moreau Art Gallery at St. Mary's College in South Bend, Ind. Campbell's paintings also will be included in a group exhibition of works by

Skowhegan School of Painting and Sculpture alumni at New York City's Knoedler and Co.

Geoffrey C. Godbey, professor of leisure studies in the College of Health and Human Development, received the Theodore and Franklin Roosevelt Award for Excellence in Recreation and Park Research from the National Recreation and Park Association during the group's annual congress in Denver. The Roosevelt Research Award is given annually to someone whose contributions to recreation and park research have significantly advanced the cause of the recreation movement.

Jeanne Krochalis, associate professor of English and comparative literature at Penn State New Kensington, gave a talk on "Hieronimus Minzer and his copy of Pseudo-Turpin" at the Sixth Congreso Internacional De Estudios Jacobinos, held in Santiago de Compostela, Spain.

The Nittany Lion Inn on the University Park campus has been named a winner of an "Excellence of the East" award from *Meetings East* magazine, whose audience is meeting planners from across the United States, Canada and Mexico. Winners were showcased in the August/September issue of the magazine.



University Park Calendar

October 12 - October 21

SPECIAL EVENTS

Friday, October 12

"Henry Pearson: The Poetry of Line," gallery talk by Patrick McGrady, noon, Palmer Museum of Art.

Saturday, October 13

Family Day at the Palmer, 11 a.m. to 2 p.m., Palmer Museum of Art. For information, call (814) 865-1672.

Sunday, October 14

"Lily's Purple Plastic Purse," 2 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Friday, October 19

"A Song and a Prayer: Looking at Differences Preserved," gallery talk by Joyce Robinson, noon, Palmer Museum of Art.

"The Miser," 8 p.m., The Playhouse, through Oct. 27. For tickets, call (814) 863-0255.

Saturday, October 20

The Royal Lipitzaner Stallions, 2 and 7:30 p.m., The Bryce Jordan Center. For tickets, call (800) 865-5555.

MUSIC

Saturday, October 13

Student recital, Christopher Short, horn, 1 p.m., Recital Hall, Music I.

Student recital, Lisa Hooper, cello, 8 p.m., Recital Hall, Music I.

Mark O'Connor with Boston's Metamorphosen Chamber Orchestra, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Sunday, October 14

Faculty recital, Carrie Koffman, saxophone, 3 p.m., Recital Hall, Music I.

Wednesday, October 17

Jazz II, 8 p.m., Recital Hall, Music I.

Thursday, October 18

The Clemen Choir, Bach's Lurch, 12:10 p.m., Eisenhower Chapel.

Friday, October 19

G.P. Petli on "Multiscale Advanced Raster Map Analysis System Definition, Design and Development," 4 p.m., 301 Steidle.

Suzanne Farrell Ballet, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Saturday, October 20

Student recital, featuring Brian Franzaglia, percussion, 1:30 p.m., Recital Hall, Music I. Student recital, featuring Kevin McManus, trombone, 8 p.m., Recital Hall, Music I.

Sunday, October 21

Graduate student recital, Shy-Luen Chen, conductor, 4 p.m., Recital Hall, Music I. Guest artist recital, Steven Glaser, piano, 8 p.m., Recital Hall, Music I.

SEMINARS

Friday, October 12

Julia C. Bixrud on "Developing Partnership to Transform Scholarly Communications," and Carol Carr on "Publishing in the 21st Century and How Technology Has Affected Peer Review," 10 to 11 a.m., 301 Pattee Library.

Algebraic Peter on "Finiteness of 4-Dimensional Non-Perturbative Quantum General Relativity: QFT/QGR Duality," 11 a.m., 318 Osmond Laboratory.

David Lowe on "Black Holes from Quantum Mechanics," 3 p.m., 339 Davey Laboratory.



A sign of the season, these pumpkins are ready to move from the Larson research farms to a trail at Shaver's Creek. Activities at Shaver's Creek this month include the family foliage walk, pumpkin carving and the children's halloween trail and festival. For more information on these and other activities at Shaver's Creek, see the briefs section on page 8.

Photo: Greg Gileno

Earl Ellis on "China's Village Landscapes and Global Biogeochemical Change," 4 p.m., 273 Willard.

Monday, October 15

Mahnaz El-Kouedi on a subject to be announced, noon, 339 Davey Laboratory. John Carlos Rowe on "Comparative Literature and Institutional Change," 12:40 p.m., 102 Kern.

Dan Rich on "Design of Enzyme Inhibitors: What Challenges Remain?" 1:15 p.m., 55 Osmond Laboratory.

Chris Churchill on "Cosmological Evolution in the Fine Structure Constant," 3:30 p.m., 318 Osmond Laboratory.

Seth Goldstein on "Fabrication-Driven Architecture and Spatial Computing," 4 p.m., 302 Pond Laboratory.

Robert D. Richards and Clay Calvert on "The Rising Cost of Free Speech in Higher Education," 4 to 6 p.m., 101 Pattee.

Ben Stein, 8 p.m., Eisenhower Auditorium. Tickets available at Eisenhower Auditorium box office.

Tuesday, October 16

Michael Flatté on "Theoretical Elements of Spin Coherence Manipulation in Semicon-

ductors," 3:30 p.m., 339 Davey Laboratory. David DiBiase on "Is Distance Education a Faustian Bargain?" 4:30 to 5:30 p.m., 22 Deike.

Wednesday, October 17

Yolande Kuin on "The Meaning of the Physical Self in the Second Half of Life — Two Studies," noon to 1 p.m., 108 Warlick Laboratory. Clifford Ussenden on "Toward Improving the Decility of Particle Reinforced Metallic Alloys — A FEA Approach," 3:35 p.m., Earth and Engineering Sciences.

Saul Haifon on "Bringing Socio-Technical Practice into International Relations: The Case of Population Policy," 4 p.m., 102 Leonard.

Thursday, October 18

William Brittain on "Synthesis and Nanomorphology of Surface-Immobilized Diblock Polymers," 11:15 a.m., 22 Deike.

Dale Poulter on "The Chemistry and Biology of Joining Isoprene Units," 12:15 p.m., 55 Osmond Laboratory.

Bruce McComb on "Semiconductor Spintronics: What's it All About?" 4 p.m., 117 Osmond Laboratory.

Doreen Davis, 8 p.m., Alumni Hall, HUB-Robeson Center.

Friday, October 19

Ted Newman on "Classical, Geometric, Origin of Magnetic Moments, Spin-Angular Momentum and the Direct Gyromagnetic Ratio," 11 a.m., 318 Osmond Laboratory.

Matthew Serbin Pittinsky on "Dot-com and Beyond," 11:30 a.m. to 1 p.m., The Penn Stater. For tickets, call (814) 865-7590. G.P. Petli on "Multiscale Advanced Raster Map Analysis System Definition, Design and Development," 4 p.m., 301 Steidle.

Sunday, October 21

Darlene Mason on "Reintegrating the Cosmos: The Temples of India and their Fragments," 2 p.m., Palmer Museum of Art.

EXHIBITS

HUB-Robeson Center

"Images on Paper," water collages by Richard Hamwi, through Oct. 25.

"You Are Here," collage and quilts by Robert Placky and Debra Placky, through Oct. 24.

"Seeing the World Through Women's Eyes," black and white photography by Kathleen Karp, through Oct. 15.

"Heartdreams and Legends: Story of Two Peoples," through Dec. 4.

Ceramics by Ian Stalton, through Dec. 6. Ceramics by Cheryl Yarnell, through Dec. 6. Ceramic sculpture by Roger Pollok, through Dec. 6.

Kern exhibit area

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," photography by Robin Hoecker, through Dec. 5.

Ethnics by Erica Ruiz, through Dec. 5.

Palmer Museum of Art

"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," through Dec. 26.

"Devotion and Diversity: South Asian Sculpture from the Philadelphia Museum of Art," Dec. 21 through the fall of 2004.

"The Poetry of Line: Drawings by Henry Pearson," through Nov. 18.

"American Pastoral: Drawings by John F. Kensett," American Works on Paper Gallery, through Dec. 21.

Pattee and Paterno Library exhibit areas

"To Make You Feel Proud: Gender and Sexuality Studies at Penn State," through Oct. 31.

"Beauty Within the War-Torn Shadows: Visual Arts and Music of the Civil War Era," through Oct. 28.

"Riding the Keystone Rails — Selections from the Railroad Collections of the Special Collections Library," through Oct. 20.

"Fred Waring and Patriotism," through Nov. 23.

"Victoriano Ethnobotany: Peruvian Plants and People," through Oct. 22.

Waring Commons

Prints by Rachel Simka, through Dec. 3.

Warnock Commons

Paintings by Kevin Simka, through Dec. 2.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



News in Brief

Graduate School Visitation Day

Prospective graduate students of underrepresented groups will have an opportunity to visit the University Park campus on Saturday, Oct. 13, as part of the first Graduate School Visitation Day.

The event will provide an opportunity to visit with administrators, faculty and graduate students in various academic fields and to learn more about funding opportunities. Information will be provided on graduate programs, research opportunities and other matters that will impact a prospective student's selection process.

For information, call Evelyn M. Ellis, director of the Office of Graduate Educational Equity, at (814) 863-1663 or e-mail emc1@psu.edu.

Fall, winter at Shaver's Creek

The Shaver's Creek Environmental Center announces its schedule of activities for fall through spring.

■ **Family Fall Foliage Walk:** Walk with naturalist John Buzzell from 2 to 4 p.m., Saturday, Oct. 13. All ages. Cost is \$5 or \$4 for members.

■ **Pumpkin carving:** Bring a knife to carve and a spoon to scoop the innards out of jack-o'-lanterns from 6 to 9 p.m., Thursday, Oct. 25. The lanterns will decorate the Children's Halloween Festival trails. The all-ages event is free.

■ **Children's Halloween Trail and Festival:** Geared for ages 4 to 10, the event features games, singing, crafts, pumpkin carving, food and an "enchanted" trail from 11 a.m. to 4 p.m., Saturday and Sunday, Oct. 27 and 28. Cost is \$5; children ages 3 and younger are admitted free.

■ **Extra Junior Explorers:** A guided nature center visit will be from 10 to 11:30 a.m., Saturday, Dec. 1. The event is geared to ages 3 to 5 and costs \$4 or \$3 for members.

■ **Guided Nature Center visit:** Geared to ages 6 to 10, the event will be noon to 2 p.m., Saturday, Feb. 16. The cost is \$4 or \$3 for members. To preregister, call (814) 863-2000.

■ **Maple Harvest Festival:** The all-ages event will be 11 a.m. to 4 p.m., Saturday and Sunday, March 16 and 17. Learn the basics of tree identification, maple tree tapping, maple syrup legends and folklore, and boiling down sap to make syrup. Festival cost is \$4 and \$3 for members. The pancake breakfast costs \$3 per person.

■ **Whose Egg is It?:** The event for children ages 3 to 10 will be from 10 to 11 a.m. or 1 to 2 p.m., Saturday, March 30. The cost is \$3.50 per child; accompanying adults are free. Preregister by calling (814) 863-2000.

■ **Migration Mondays:** The all-ages program will be 7 to 8:30 a.m. Wednesdays, April 10, 17, 24, and May 1. Take a morning walk with program director Doug Wentzel and discover spring songbird migration. The cost is \$12 for all four ses-



The bright, sunny days of early October gave Joel Myers, a landscape contracting senior, an opportunity to work in the medieval garden adjacent to the Test Gardens on the University Park campus.

Photo: Greg Grieco

sions or \$4 per session and is free for members. Preregister by calling (814) 863-2000.

■ **Extra Junior Explorers — Sensory Walk:** The event is for children ages 3 to 5 from noon to 2 p.m., Saturday, April 20. The cost is \$4 per child or \$3 for members. Preregister by calling (814) 863-2000.

■ **Brownie Girl Scouts Try It!:** From noon to 3 p.m., earn badges at session on "Senses," Saturday, Nov. 10; "Animals," Saturday, Nov. 17; "Ready, Set, Go Camping," Sunday, Dec. 2; "Animals," Sunday, Feb. 17; "Outdoor Adventurer," Saturday, Feb. 23; "Senses," Sunday, Feb. 24; and "Water Everywhere," Saturday, May 25. The cost is \$6 per Scout. Preregistration deadline is

10 days in advance of the respective badge workshop. Preregister by calling (814) 863-2000.

Telecommunications open house

The Office of Telecommunications, a division of Computer and Information Systems, will showcase the telecommunications services available to University faculty and staff during an open house from 10 a.m. to 3 p.m., Thursday, Oct. 18, at Support Building 2 on the University Park campus.

Refreshments and door prizes will be provided.

Parking is available in an open staff lot at the building or transportation is available by taking the faculty/staff shuttle to

stop 16, Support Building 1 and 2.

For information, check the Web at <http://www.otc.psu.edu>. Click on the "Open House" button.

Grant deadline is Oct. 22

The deadline for the next funding period for individual faculty grants offered by the Institute for the Arts and Humanistic Studies is Monday, Oct. 22.

Proposals must be submitted by 5 p.m. to 103 Ihlseng Cottage on the University Park campus.

Funds support research, performance and creative projects in and across the arts and humanities. All University faculty members with professorial rank and a continuing appointment are eligible to apply.

For information or guidelines, call (814) 865-0495 or e-mail iahs@psu.edu.

Reminder

The closing date for receipt of Evan Pugh professorship nominating materials is Monday, Oct. 22. All nominations must be submitted in accordance with Policy HR87 and established guidelines and should be sent to the dean of the academic college in which the nominee is appointed. Current nomination guidelines may be obtained by calling (814) 863-9580, by e-mail to vx12@psu.edu, or by stopping in 304 Old Main, University Park.

Essay contest

Faculty are asked to inform students about an essay contest being held in honor of International Education Week, Nov. 12-16.

Contestants should submit an essay of no more than 500 words on their experiences living in another culture. Contestants must submit both a hard copy (double-spaced) and a PC disk version of their essay to International Students and Scholars in 222 Boucke Building, University Park, by 5 p.m., Oct. 17.

For more information about the contest requirements, call (814) 865-6348.

Credit Union sends disaster relief

The Penn State Federal Credit Union's board of directors has voted to send a \$5,000 contribution to the New York Credit Union Foundation's Disaster Relief Fund.

There were five credit unions in the World Trade Center and surrounding buildings. Contributions to the Disaster Relief Fund established by the New York Credit Union Foundation, which so far have exceeded \$115,000, will help the most severely affected Manhattan credit unions restore service to their members. The fund also will aid credit union staff and volunteers, as well as credit union members and the general public who suffered losses in the Sept. 11 attack.



Partings

Research engineer leaves ARL after 37 years

Richard Harvey, research engineer at the Applied Research Laboratory, retired after 37 years of service.

While at ARL, Harvey specialized in special-purpose logic circuitry and programmable subsystems and systems developed for specific applications. He was one of the earliest laboratory users of programmable read-only memory and microprocessors.

Harvey's expertise in digital design and personal computer interfaces was applied to many research projects, including a mini-computer-based controller for an ultrasonic snapshot camera echocardiographic imaging system — a project that was ARL's first attempt to use acoustics to monitor patients' health. He also designed programmable con-

trollers for a number of engines using stored chemical energy as well as other components and software.

During the past five years of his career, Harvey served as head of the engineering group in ARL's Systems Engineering Department.

Before joining ARL in 1964, Harvey spent a year working as an engineer for RCA.

Harvey earned his bachelor's degree in electrical engineering from Penn State in 1962. He went on to earn his master's degree in electrical engineering and his master's degree in business administration from Penn State in 1967 and 1972, respectively.

After his retirement, Harvey plans to spend more time hunting, fishing and playing golf.

Retirees bid farewell to life at the University

Allen Anderson, maintenance worker B at Penn State Altoona, from Nov. 15, 1970, to July 3.

Winston M. Arzu, assistant professor of French at Penn State Altoona, from Sept. 1, 1973, to July 3.

Arthur J. Askey, foreman, trades in Office of Physical Plant, from Aug. 10, 1970, to July 19.

Charles W. Barger, janitorial worker in Office of Physical Plant, from Oct. 1, 1966, to July 28.

John W. Black, associate executive director in Division of Development and Alumni Relations, from April 1, 1970, to July 3.

William G. Bond, maintenance worker, utility at Penn State Abington, from Jan. 14, 1974, to July 3.

Bonnie K. Bowers, janitorial worker in Office of Physical Plant, from Jan. 19, 1966, to July 20.

Robert G. Eisenbraun, assistant professor of kinesiology in College of Health and Human Development, from Sept. 1, 1967, to July 3.

Eugene J. Flynn, information technical consultant in Office of the President, from Jan. 16, 1967, to July 3.

Stanley J. Giner III, senior research assistant in Applied Research Laboratory, from May 14, 1973, to Aug. 1.

Sandra C. Greene, lead applications programmer/analyst in Computer and Information Systems, from April 1, 1966, to July 7.

Robert E. Griffin, instructor in The Smeal College of Business Administration, from Sept. 20, 1971, to July 3.

Robert H. James, supervisor, maintenance in Housing and Food Services, from Aug. 1, 1961, to July 6.

Glen D. Kreider, senior applications programmer/analyst in College of the Liberal Arts, from Jan. 1, 1969, to July 4.

Reuben K. Lucas, janitorial worker in Office of Physical Plant, from July 7, 1974, to July 14.

Elmer L. Swanger, refuse collector in Office of Physical Plant, from April 1, 1956, to July 14.

Donald J. Thompson, supervisor stores support in Office of Physical Plant, from Aug. 16, 1965, to June 1.

Emeritus

Robert J. Bresler, professor emeritus of public policy at Penn State Harrisburg, from Sept. 1, 1969, to July 3.

David E. Butt, associate professor emeritus of business administration in The Smeal College of Business Administration, from Sept. 1, 1965, to July 3.

Elliot R. Eisenberg, professor emeritus of general engineering at Penn State Hazleton, from Sept. 18, 1972, to July 10.

Roy J. Greenfield, professor emeritus of geophysics in College of Earth and Mineral Sciences, from Sept. 1, 1968, to July 3.

H. Reginald Hardy Jr., professor emeritus of mining in College of Earth and Mineral Sciences, from July 1, 1966, to July 3.

Evelyn A. Hovanec, associate professor emerita of English and American literature at Penn State Fayette, from July 1, 1966, to July 3.

Report concludes ecological improvements can save money

A report from the Green Destiny Council on the ecological analysis of Mueller Laboratory, a biology building on the University Park campus, has shown that making changes that foster environmental stewardship will save the University significant amounts of money.

Christopher Uhl, head of the Intercollege Graduate Program in Ecology, directs the council. Joshua Pearce, graduate student in the Intercollege Materials Program, joined Uhl in coordinating the report of the research team, which includes two graduate students and 18 undergraduate students. The goal of the research was to identify ways to cut the ecological impact of Mueller Laboratory in half while creating healthier working conditions for all occupants of the building.

According to Uhl, "The Mueller Report: Moving Beyond Sustainability Indicators to Sustainability Action at Penn State" is a practical list of changes that will result in concrete applications of the Faculty Senate resolution recently approved by President Graham B. Spanier to promote ecological literacy by modeling sustainable practices.

The analysis revealed that, by increasing efficiency, using "smart" technologies and increasing environmental awareness among the people who work in Mueller Laboratory, the University could, among other things:

- cut coal consumption by 755 tons and in the process cut carbon dioxide emissions by nearly 2,000 tons per year;
- cut water use by more than 100,000 gallons a year;
- cut paper consumption by 67 percent;
- reduce waste associated with the disposal of transparencies, diskettes, computers, carpeting, furniture and printer cartridges; and
- reduce volatile organic compounds and other toxic and caustic chemicals associated with carpeting, paints, cleaning agents and pest control.

"All these things could be done while in no way compromising the research, teaching and administrative functions of Mueller occupants. In fact, in most cases, Mueller occupants would see noticeable improvements in their work environment," Pearce said.

"If it is assumed that Mueller's resource consumption and waste generation for basic materials like paper, computing devices and electricity are typical of other science buildings, then the Eberly College of Science has the potential to reduce its ecological impact by half, thereby decreasing its greenhouse gas emissions by more than 20,000 tons," said Uhl. "This reduction in energy use could save the University nearly half a million dollars per year."

Nominations sought for advising award

Nominations are being accepted for the 2002 Penn State Excellence in Advising Award.

This award has been established by the Undergraduate Student Government's Academic Assembly, with support from the Office of Undergraduate Education, to encourage and reward advising excellence.

Awards will be given in two categories: faculty members and professional academic advisers. All current, full-time employees with a minimum of two years experience at

the University who fit into one of these categories are eligible. Nominees will be evaluated on their impact in the following categories: general advising, academic guidance, career guidance, enthusiasm and assistance in decision making.

Nominations will be accepted through Oct. 31. To obtain a nomination form, call Sarah Aumiller at (814) 863-1864 or check the Web site at <http://www.clubs.psu.edu/usg/advisingaward>.

OBITUARIES

Robert J. Lesniak, associate professor emeritus of education at Penn State Harrisburg, died Aug. 29, at the age of 64.

Lesniak's career included service as acting associate dean for Research and Graduate Studies (1986-87), acting division head for Behavioral Sciences and Education (1988-90), coordinator of the master's program in teaching and curriculum (1972-87), director of the doctoral program in adult education (1984-88) and coordinator of the master's program in training and development (1985-2000).

Alexandra M. Eaton, associate extension

agent in home economics in the College of Agricultural Sciences, from Jan. 14, 1957, until her retirement June 1, 1971; died Aug. 20, at the age of 55.

Robert M. Groskin, library assistant at Penn State Altoona, from July 1, 1965, until her retirement Jan. 1, 1985; died Aug. 17. She was 86.

Joanette S. Kerns, maid in Housing and Food Services, from Sept. 1, 1926, until her retirement July 8, 1968; died Aug. 25, at the age of 98.



Promotions

Technical Service

Donna J. Ash, dining hall worker A in Housing and Food Services

Robert English, maintenance worker, utility at Penn State Abington

Lynn C. Fink, maintenance worker, utility in Student Affairs

Steven H. Hugar, airport attendant in Airport Operations

Theodore Langham, groundskeeper, golf course in Intercollegiate Athletics and Auxiliary Recreation

Daniel L. Peters, test track driver in College of Engineering

Donna L. Quaranta, deli worker in Housing and Food Services

Carlyn J. Shumway, residence hall utility worker in Housing and Food Services

Walter D. Stefnoski, mail clerk-driver at Penn State Erie

Robert P. Warner, maintenance worker parking in Office of Physical Plant

Paula R. Ammerman, director, Office of the Board of Trustees in Office of the Vice President for Administration

Michelle Aros, senior technician, research in College of Medicine, Hershey Medical Center

Elizabeth Asbell-Swanger, assistant director, Center for Performing Arts in College of Arts and Architecture

Rosella A. Barone, staff assistant VI in College of Medicine, Hershey Medical Center

Susan R. Blauer, senior conference services manager at Penn State Conference Center Hotel

Robert J. Bowser, information system assistant II in Computer and Information System—Administrative Systems

Stephanie R. Bumgarner, staff assistant VI in Schreyer Institute for Innovation in Learning

Mary C. Cavanaugh, staff assistant VI in Division of Outreach and Cooperative Extension

Mary A. Clark, staff assistant VI in Division of Outreach and Cooperative Extension

Susanna Coetzee, library assistant II in University Libraries

Linda M. Columbus, administrative assistant III in Applied Research Laboratory

Will K. Covington, cataloging specialist in University Libraries

Debra K. Creager, staff assistant VI at Penn State Mont Alto

Michelle A. Davidson, assistant director of development in Division of Development and Alumni Relations

Marnie P. Deibler, staff assistant VIII in Office of the Vice President for Research

Debra E. Delwiler, administrative assistant III in College of Earth and Mineral Sciences

Paula A. Dibacco, Web content administrator in College of Medicine, Hershey Medical Center

Terri L. Dowdy, director, administrative financial services in Office of Physical Plant

Vincent A. Falvo, associate controller in College of Medicine, Hershey Medical Center

Fred F. Fenstermaker, system support specialist at Penn State Erie

Laurel E. Fetterolf, library assistant I in University Libraries

Zemda M. Fornicola, staff assistant IX in College of Arts and Architecture

James D. Foster, project associate in University Libraries

Ronald E. Graber, computer and technology specialist at Penn State Lehigh Valley

Connie L. Gensimore, manager, financial and administrative services in College of Arts and Architecture

Lisa M. Glass, manager network and information systems II at Penn State Berks

Susan S. Graham, architect II in Office of Physical Plant

Lois A. Green, library assistant III in University Libraries

Kathryn E. Grill, art editor in College of Medicine, Hershey Medical Center

Ethel L. Gunnett, staff assistant VI at Penn State Altoona

John I. Hamilton, cataloging specialist in University Libraries

John W. Hanold, lead contract and proposal specialist in Office of the Vice President for Research

Janine K. Hawk, staff assistant VI in Division of Development and Alumni Relations

Beth A. Hayes, lead project coordinator/Web developer in Computer and Information Systems—Administrative Systems

Karen A. Hein, staff assistant V at Penn State Erie

Jody L. Henry, research support associate in College of Medicine, Hershey Medical Center

Kevin R. Hirtlinger, construction and contract assistant in Office of Physical Plant

Christopher M. Hons, writer-editor in Division of Outreach and Cooperative Extension

Earl Houser, library supervisor II in University Libraries

Angela Johnson-Tisdale, manager, human resources in University Libraries

Beth Ann Jones, research support assistant in Office of the Vice President for Research

Kelly Anne Kaiserman, library supervisor II in University Libraries

Carol A. Kelly, administrative assistant IV in College of Medicine, Hershey Medical Center

Josie P. Koll, ticket manager I in Intercollegiate Athletics and Auxiliary Recreation

Judy A. Morza, coordinator, research studies in College of Medicine, Hershey Medical Center

Sheli M. Kuhl, coordinator equipment and stockroom in Intercollegiate Athletics and Auxiliary Recreation

Urszula W. Kulakowski, visual communications specialist in College of Arts and Architecture

Dawn R. Laubach, staff assistant VIII in Applied Research Laboratory

Sharon D. Lutton, staff assistant V in University Libraries

Teresa A. Markle, senior technician, research in College of Medicine, Hershey Medical Center

Michelle L. Martin, senior research technologist in Eberly College of Science

Kimberlee S. McClelland, staff assistant VIII, human resource coordinator's office in Office of the President/Office of the Vice President for Administration

William S. Meredith, manager ticket operations in Intercollegiate Athletics and Auxiliary Recreation

Helene Miskitz, staff assistant VI at Penn State Lehigh Valley

Maria Mocerri, staff assistant VII at Penn State Berks

John R. Mondock, assistant manager, purchasing in Housing and Food Services

Verne A. Neff, library supervisor II in University Libraries

Betsy J. Nixon, assistant journals manager in Office of the Vice President for Research

Maria E. Pavon, staff assistant VI in The Graduate School

Angela M. Phelps, assistant director, special programs in Eberly College of Science

Jeffrey L. Port, network analyst in Eberly College of Science

John M. Rafacz, promotional copywriter in College of Arts and Architecture

Florence E. Rearick, library assistant II in University Libraries

Teresa K. Reed, staff assistant VII in College of Engineering

Janie J. Reinert, senior research technologist in Eberly College of Science

Kelly J. Rhoades, administrative assistant III in College of Earth and Mineral Sciences

Chris J. Riegel, information systems coordinator at Penn State Berks

Elaine C. Robinson, writer/editor and alumni coordinator in Eberly College of Science

Julie R. Runkle, coordinator for computer laboratories and microcomputer consultant in Computer and Information System—Center for Academic Computing

Judith E. Ryan, staff assistant VI in Division of Outreach and Cooperative Extension

Kathy L. Shoemaker, staff assistant IX in Applied Research Laboratory

Kathleen M. Simon, administrative assistant II in College of Medicine, Hershey Medical Center

Colleen M. Smith, library assistant II in University Libraries

Rebecca M. Smith, staff assistant VI in College of Health and Human Development

Scott A. Smith, systems analyst at Penn State Erie

Chad W. Spackman, facility project manager in Office of Physical Plant

Debbie J. Stevens, program aide in College of Medicine, Hershey Medical Center

Bruce E. Walker, supervisor administrative services in Housing and Food Services

Heidi A. Watson, program development specialist in Division of Outreach and Cooperative Extension

Debra K. Webb, library supervisor in University Libraries

Judith M. Weber, staff assistant VI at Penn State Altoona

Barbara L. Weishofer, director of undergraduate academic services in College of the Liberal Arts

Rebecca J. Woomer, manager, information system technical support in Division of Outreach and Cooperative Extension

Susan K. Wysocki, staff assistant VI at Penn State Wilkes-Barre

Michael E. Zugger, senior research engineer in Eberly College of Science



Focus on Research

Churches decline when membership niche abandoned

By PAUL BLAUM
Public Information

Liberal mainline churches have lost conservative members because they have abandoned that traditional membership niche that they once served, a University study has found.

"Our studies indicate six basic ideological niches into which churches fall, ranging from ultraliberal to ultraconservative. Most church attendees, regardless of social class, are moderates and conservatives who form the great middle of the membership bell curve," said Roger Finke, professor of sociology in the College of the Liberal Arts.

"Because their demand for different forms of religion is remarkably stable, Americans tend to either remain in or seek out churches that suit their niche," he noted. "Of course, this demand curve represents only those that are seeking a religion. There will always be some that don't seek out religious answers or solutions."

While church-swapping occurs frequently in this country, people rarely swap niches. Instead, it is the churches themselves that shift from niche to niche, usually from conservative to liberal, the sociologist added.

As a religious group grows in numbers and acceptance, its "tension" or degree of separatism from secular society diminishes, and the church becomes yet another mainstream denomination. For a time, it ministers to a conservative and moderate niche, then, as it moves away from these larger niches to the smaller liberal niche, it stops growing, the researcher said.

"This happens for two reasons," Finke said. "First, large congregational size reduces a church's ability to monitor the loyalty of its members and swells the number of free-riders or members with little or no commitment. Second, the professionalization of clergy, while it results in better trained and educated ministers, often produces clergy with a more tepid religious commitment. Both of these factors pull down the initial level of religious ardor.

As churches move from higher- to lower-tension niches, they will tend to accumulate at the liberal end of the spectrum. This growing number of organizations will



Roger Finke, professor of sociology, examined church membership in the United States. His study found that churches lost conservative members when they abandoned traditional membership niches.

Photo: Greg Grieco

attempt to serve a relatively static number of potential members who are notably lukewarm in their commitment. Consequently, low-tension churches will typically have declining memberships and will tend to disappear via mergers," Finke noted.

Finke is co-author of the book, *Acts of Faith: Explaining the Human Side of Religion*, published by the University of California Press. His co-author is Rodney Stark, professor of sociology and comparative religion at the University of Washington.

The researchers based their conclusions on the General Social Surveys from 1972 through 1994, coding 16,037 churchgoers according to their location along the continuum of religious belief: ultraliberal (8 percent), liberal (18.4), moderate (31.5), conservative (35.1), strict (12.9) and ultrastrict (1.3). Their coding corresponds closely with the three-category coding (liberal, moderate and fundamentalist) assigned by the National Opinion Research Center (NORC), which conducted the GSS surveys.

Finke noted that the mainline Protestant

churches, at the time of their foundings, served a conservative and sometimes even an ultrastrict constituency. An example would be the Methodist Church, which began as a sect during the 18th century "Great Awakening" in England and was imported by the Wesleys to the American colonies. American Methodism flourished in the 19th century, founded dozens of colleges and universities and in 1850 made up one-third of all churchgoers in the United States. That year, it had 117 members out of every 1,000 Americans.

"Throughout most of the 20th century, the Methodist clergy have pressed for increased 'relevance' and liberalism while downplaying the core Christian doctrines of sin and salvation," Finke said. "Their success in doing so has been mirrored by a corresponding decline in membership, with the result that by 1990 only 36 out of 1,000 Americans were Methodists."

Paul Blaum can be reached at
pab15@psu.edu.

Generous retirement incentives may make other workers quit

Businesses that are overly generous with their assistance to early retirees may be influencing other workers to quit.

That's just one finding from a recent study examining the reactions to an early retirement program of 668 employees at a public utility firm who were ineligible for the program. The study is co-authored by Rocki-Lee Dewitt, associate professor of management and the associate dean of professional master's programs at The Smal College of Business Administration, and Kelly A. Mollica, assistant professor at the Balcock Graduate School of Management at Wake Forest University and a former doctoral degree student at the University.

"Specifically, we studied the influence of perceptions of the generosity of the organization's assistance to retirees on the remaining employees' intentions to quit," DeWitt said. "We found that perceptions of overly generous early retirement assistance were associated with increased intentions to quit, particularly among more tenured employees."

DeWitt explained that this study extends research on employees' reactions to workforce reductions by focusing on employees remaining in an organization who were not eligible for an early retirement program. The study considered two issues: What influence does organizational assistance to early retirees have on the intentions to quit of remaining employees? How does the age and tenure of remaining employees influence the relationships between early retirement assistance and intentions to quit?

"Following an early retirement, remaining employees are likely to scrutinize the terms of the pension and other financial benefits provided to early retirees. This provides a financial bridge that helps departing employees adjust to their change in employment status," she said.

In the early stages of a voluntary workforce reduction, when remaining employees know that more aggressive involuntary job cuts may be forthcoming, their "sense-making" is likely to be focused on how they might be treated.

"Being too generous to others may be viewed as leaving little for me when times get tough," DeWitt explained. More tenured employees are more sensitive than less tenured employees to the perceived overrewarding of early retirees, reacting with increased intentions to leave.



Rocki-Lee Dewitt

Protein identified that begins gene activation process

University researchers have identified the single protein that initiates the gene-activation process in yeast when it marks the start of a gene and allows the transcription process to begin. An important step toward a better understanding of the gene-activation process, the discovery also promises potential applications in the effort to combat diseases such as cancer and leukemia because a comparable protein exists in humans.

"We had known that proteins were attracted to the end of a gene in order to start the process, but the question was which

protein did the work," said Jerry Workman, the Paul Berg professor of biochemistry and an associate investigator with the Howard Hughes Medical Institute. "What we found was an interesting protein, Tral, that has a human homolog, Trapp, which has been implicated as an important factor in the transformation of cells into cancer cells by several oncogene products, proteins that are active in a number of tumors."

For the full story, go to <http://www.science.psu.edu/alert/Workman6-2001.htm>



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Preserving history



"The Wire That Remembers," a unique preservation project, is almost complete in the Fred Waring's America collection in 313 Pattee Library on the University Park campus. Undergraduate student assistants Rob Borger, shown here, and Mauri Buetzow have worked since June to transfer magnetic wire recordings of Fred Waring radio and

Photos: Greg Griesco



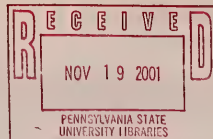
television shows from 1948-50 to digital tape and CD. More than 300 reels of wire, a recording technology developed in 1942 but made obsolete by magnetic tape, have been transferred. Each 7,200-foot reel of wire holds an hour of sound, but they are unpredictable — any kink or tangle can make the wire unplayable. **Above,** Borger loads a wire recording onto one of the library's antique wire players. At right, he is washing an original recording to remove an acid buildup that has accumulated over the years. **Left,** he prepares to play the cleaned master recording to re-record it onto digital tape and CD. A new exhibit, "Fred Waring and Patriotism," is on display in the exhibit case outside Fred Waring's America archives, 313 Pattee Library. For more information, see the story on page 6.





Intercom

INFORMING THE PENN STATE COMMUNITY



OCTOBER 18, 2001

Alumni couple gives \$3 million to support Eberly and Smeal colleges

By LAURA STOCKER
University Relations

Alumni Ronald R. and Judith Loftin Davenport of Pittsburgh have committed \$3 million to be distributed equally between the Eberly College of Science and The Smeal College of Business Administration. Their gift will endow a faculty chair in each college.

Ronald Davenport is chairman and chief executive off-

icer of Sheridan Broadcasting Corp., which owns radio stations in Pittsburgh and Buffalo and a radio network with more than 300 affiliates in 39 states. It is the largest African-American-owned communications network in the United States. Judith Davenport is a dentist, and co-founder and director of Sheridan Broadcasting Corp.

The Ronald Ross Davenport and Judith Loftin Davenport Chair in The Smeal College of Business Administration will be established in the area of marketing or finance. The

Judith Loftin Davenport and Ronald Ross Davenport Chair in the Eberly College of Science will be established in the area of biological science.

The chairs will be used to attract and retain world class scholars to these appointments. Income from the endowments can be used for, but is not limited to, such purposes as salary supplements, research expenses, graduate assist-

\$3 million, page 3

University Park recycling 'going to another level'

By GARY W. CRAMER
Public Information

Hidden away from prying eyes like the laboratories in which bygone alchemists tried to turn lead into gold, there is a secluded spot on the campus fringe where the flotsam and jetsam of daily life waits to be transformed into unexpectedly new things. But here, the magic works — discarded newspapers and scrap metal turn into scholarships, pallets become plant bedding, dumpsters metamorphose into life-saving training equipment and soda cans beget honeycombs.

Al Matyasovsky, supervisor of Central Support Services with the Office of Physical Plant, shows off the outdoor site to visitors in order to share the waste management lessons being learned here, and to demonstrate that it can handle more activity by far in the future.

"Penn State has gone from recycling 12 percent of the material that we could handle in 1995 to nearly 33 percent today, and that's something to be proud of," he says. "Our goal now is to reach 67 percent of capacity, and with the kind of creative participation we've seen across the campus so far, I'm sure we'll get there. It will mean, for example, increasing our capture of mixed office paper for recycling from the current 800 tons per year to 1,400 tons."



Dan Cramer, an employee in the Office of Physical Plant, spreads out some of the aluminum cans at the recycling site.

Systemwide enrollment at all-time high

By AMY NEIL
Public Information

Penn State's reputation for providing a top quality education resulted in another record-breaking enrollment year, but the numbers reflect the University's continuing efforts to keep growth modest and controlled.

According to official figures, enrollment at the University's 24 locations is 81,704 students — an increase of 434 students over last year. University Park enrollment increased by 257 students to a level of 40,828.

"Penn State's fall enrollment figures show that the University has once again met the major objectives of its well-defined, slow-growth enrollment management plan," said President Graham B. Spanier. "Five years ago, we projected modest enrollment increases for each of the next several years, and I'm pleased to say that we've been able to stay within our target range."

In 1996, Penn State restructured its statewide system to provide increased opportunities to upper-division students so that they could complete their degrees at a campus other than University Park.

Recycling

Continued from page 1

There's more to this goal than just saving resources in an age of greater environmental awareness. Matyasovsky gestures at a giant bin at one side of the recycling loading area where scrap metal waits to be picked up by John Kustaborder Jr. Salvage, a Howard firm, and then to bins on the opposite side where tons of newspaper similarly wait for the ministrations of Superior Waste Services in State College.

"Without a recycling collection process in place, this material could end up in a landfill. Instead, arrangements with the organizations that will do the actual recycling generate scholarship money for our students," he noted.

Other recycling initiatives raise money for worthy causes, as well: Efforts at Beaver Stadium and The Bryce Jordan Center benefit the United Way, cans are collected by IFC/Panhellenic Dance Marathon participants for the good of the Four Diamonds Fund for children with cancer at Milton S. Hershey Medical Center and materials collected during a celebrity golf tournament aid the Second Mile organization for Pennsylvania youth.

Beyond the glass, cans, plastics, mixed office paper and newspaper that faculty, staff and students are encouraged to place in readily available containers in nearly all University buildings, it seems the campus has no end of ways to first create detritus and then salvage it. Fallen tree limbs, shrubby prunings, uneaten food, animal waste and more get composted, worn out wooden pallets once used to keep containers off the ground and aid movement via forklift are ground into mulch; bricks and stone left over from renovations find new homes.

Damaged and worn out dumpsters also come to the recycling area for use by local Alpha Fire Company emergency personnel who are training for firefighting and using the "jaws of life" for freeing victims from auto accidents.

Even nature itself turns some of the refuse to its own advantage. A bin filled to the brim with about 30 cubic yards of soda cans (just seven days' worth from on-campus collections) hums with the activity of bees that visit to collect sugars from leftover drops. Some of the bees reside in nearby box hives, where the sugars become honey to help the colonies thrive.

So thorough is the recycling site that OPP is developing an adjacent parklet at which students learning the science of waste management can gather.

Matyasovsky describes the University's commitment of personnel, money and equipment to recycling as a process that is "going to another level" in this decade.

"We're asking everyone to pause and think, 'we're doing a third of what we could do, so what can we do to improve our collection.' Those of us in the Physical Plant hope that in your area, you will identify some easy ways to improve recycling, and we will support your efforts. If you help gather recyclable material, we'll get it where it needs to go."

More information on the Penn State Recycling Policy (AD34) may be found on the Web at <http://guru.psu.edu/policies/AD34.html>. More information on the Recycling Guidelines can be found at <http://www.opp.psu.edu/divisions/ops/cs/ess.htm> or by calling (814) 865-4719.

Gary W. Cramer can be reached at gwc104@psu.edu.



The University's recycling sites are very specific as to the types of material accepted. The different categories of recyclables are processed differently and often are recycled by different firms.

Photo: Greg Grieco



Because bees like the soda left in cans, the University has set up bee houses next to the aluminum can recycling bin. The bees often visit the dumpster to gather the sweet syrup, which they use to make honey.

Photo: Greg Grieco



Private Giving

Blommer Chocolate gives \$250,000 for food science

BY MIKE BEZILLA
University Relations

Blommer Chocolate Co., one of the largest manufacturers of chocolate in North America, has given \$250,000 to support construction of the new Food Science Building on the University Park campus.

Now in the planning stage, the building will contain laboratories, classrooms, offices, pilot-scale processing facilities, and a new creamery manufacturing and sales area. It will be located about a block east of the current facility, the 68-year old Borland Lab. It is estimated to cost \$22 million in combined private, state and University funds.

Joseph Blommer, president of the Chicago-based com-

pany, and Henry Blommer, CEO, said his firm was especially interested in helping to develop the building's 3,000-square-foot pilot plant, intended to be a scaled-down version of a real manufacturing facility.

"Pilot plants offer students the hands-on training and practical instruction necessary to keep the food industry current on best practices," Joe Blommer said. He also noted that their company employs several Penn State alumni and offers a summer internship program for undergraduate food science students.

The current pilot plant in Borland Lab is small (500 square feet) and temperature and humidity — critical factors in the preparation of various products — are difficult to control, according to Food Science Department Head John

Floros. The new facility will enable the department to use state-of-the-art food processing equipment and broaden the range of experiments it conducts.

Founded in 1930, Blommer Chocolate is a supplier of chocolate, cocoa powder and a variety of related products to the confectionery, bakery and dairy industries. Headquartered in Chicago, it also has plants in East Greenville, Pa., and Union City, Calif. The company remains family owned and operated.

Design for the Food Science Building began earlier this year. The building is slated to be completed in 2005. It will help the University better serve the needs of Pennsylvania's food processing and manufacturing industry, which includes more than 2,300 companies employing 90,000 workers.

\$3 million

Continued from page 1

antships, education and travel expenses, and support services for the chairs' holders and their programs.

After graduating from Penn State in 1958 with a bachelor's degree in business administration, Ronald Davenport went on to earn law degrees from Temple and Yale. In 1970, he was named dean of Duquesne University School of Law — one of the youngest law school deans in the country and the first African-American law dean at a predominantly white

law school. After 10 years as dean, he spent two years as a partner with Buchanan Ingersoll before assuming the helm at Sheridan Broadcasting.

Judith Davenport earned her bachelor's degree from Penn State in 1961 in medical technology. She received a graduate degree in public health and a doctorate in dental medicine from the University of Pittsburgh. She has served on many professional and civic boards. She was honored by

Penn State as a Distinguished Alumna in 1995 and an Alumni Fellow in 2001.

In previous philanthropy to Penn State, the Davenports endowed two undergraduate scholarships for minority students who have an interest in the sciences and in business. They also were major benefactors in the campaign to build the new Paul Robeson Cultural Center and to expand the Hetzel Union Building on the University Park campus.

Enrollment

Continued from page 1

"Our plan is to stabilize enrollments at the University Park campus and to allow for modest growth in the number of juniors and seniors at other campus locations," said John Romano, vice provost and dean for enrollment management.

The University now offers a limited number of baccalaureate degree programs at its campuses around the Commonwealth — programs that were developed in response to local needs and with the encouragement of community leaders. The largest such program is the Information Sciences and Technology baccalaureate degree, which has become a popular program at most campuses.

For fall 2001, minority students comprise 11 percent of the total student body — a steady increase since 1990, when minority student enrollment was 6.7 percent of the total enrollment.

"Penn State continues to increase the racial and ethnic diversity of our entering students," said Spanier. "We need to make this a priority because all of our students benefit from learning and living in a diverse environment."

African-American enrollment rose by 115 students this month and now stands at 3,574.

Earlier this month the *Wall Street Journal* published an article naming Penn State one of "this fall's hot picks" around the country along with 15 other universities and colleges.

Penn College reports increase in enrollment

The number of students attending Pennsylvania College of Technology has risen by more than 4 percent this fall, resulting in the highest enrollment ever recorded at the institution.

Based on third-week enrollment figures, there are 5,538 students attending the fall semester, an increase of 215 (4.1 percent) over last fall. The number of full-time equivalent students enrolled this fall is 4,967, up 215 (4.6 percent) from last year.

The number of Penn College students hailing from outside the state continues to rise, increasing from 281 to 323 (14.9 percent) this year. Students from 31 states are attending Penn College this fall, and out-of-state students now account for 5.8 percent of the student population. The states with the highest enrollments are Maryland, New Jersey, New York and Virginia.

International students account for .6 percent of the fall 2001 enrollment. The 37 international students attending the college this fall come from 21 different countries.

Pennsylvania students still account for more than 93 percent of the student population. Pennsylvania regions and their student percentages are: north-central, 46.8 percent; northeast, 13.4 percent; south, 14.4 percent; central, 14.3 percent; and west, 4.3 percent.

Tracking information shows that many of the new students are learning about Penn College through Internet resources and electronic recruiting and marketing initiatives. To facilitate that type of student contact, the college recently introduced an interactive compact disc that replaces a marketing videotape. Some 100,000 CDs have been

produced, and they will be sent to high school students taking standardized tests for college admission, among others.

The number of female students (1,907) increased this fall, reversing a recent trend. Female students now represent 34 percent of the student body.

The percentage of students enrolled in bachelor-degree programs (34.4 percent) this fall is the highest ever recorded at Penn College. Other programs and their percentages are: associate's degrees, 58.8 percent; certificates, 3.6 percent; and non-degree, 3.2 percent.

The number of students residing in on-campus, college-operated housing also is at an all-time high this year, 1,076. That number increased because of an additional 14 beds available at the renovated Penn's Loft facility.

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at <http://news.wires.psu.edu/> to sign up for your **FREE** Employee Newswire.

LEAVE OF ABSENCE

A sabatral leave was recently approved for **Don H. Bialostosky**, professor of English, to continue work on two book projects, one on Mikhail Bakhtin's rhetoric and poetics, and the other on the reading of poetry

from a Bakhtinian perspective.

Leaves of absence are granted for purposes of intensive study or research that will increase the quality of the individual's future contribution to the University.



Lectures

'Drive for Interstellar Travel' set for Oct. 21

A free public lecture titled "The Drive for Interstellar Travel" will be given by Marc Millis, an aerospace engineer at the NASA Glenn Research Center, at 2 p.m. Sunday, Oct. 21, in 100 Thomas Building on the University Park campus. The talk is the first of the 2001-2002 Friedman public lectures sponsored by the Department of Astronomy and Astrophysics, which this year have the theme "Black Holes and Time Warps."

Millis is at the forefront of research on "space drives," hypothetical devices that rely on the fundamental properties of space and time to create propulsive forces anywhere in space. His talk will be of interest to anyone who ever wondered whether science fiction ever become science fact or whether human beings ever travel to other stars. The series is designed for people keen on exploring the universe as they do in "Star Trek" or "Star Wars." Warp drives and wormholes once were considered pure

fiction, but they now are being researched by NASA as real possibilities, albeit for the distant future.

Remaining lectures in the 2001-2002 Friedman series, scheduled in 100 Thomas Building, include: "When Black Holes Collide" by Pablo Laguna, professor of astronomy, astrophysics and physics in the Eberly College of Science, at 2 p.m. Sunday, Nov. 11; "Can a Bright Star Find Happiness in the Deadly Embrace of a Black Hole?" by Michael Eracleous, assistant professor in the Eberly College of Science, at 2 p.m. Sunday, Feb. 24; "Back to the Future: Time Travel in Modern Physics" by Sarah Gallagher, graduate student in astronomy and astrophysics in the Eberly College of Science, at 2 p.m. Sunday, March 17; and "The Physics of Star Trek" by Lawrence Krauss of Case Western Reserve University at 2 p.m. Sunday, April 7.

Lisa Ling to appear as part of speaker series

Lisa Ling, co-host of ABC's daytime talk show, "The View," will speak at 8 p.m. Tuesday, Oct. 30, at Eisenhower Auditorium on the University Park campus. Ling's appearance is part of the University's Distinguished Speakers Series. The event is free to the public, but tickets are required.

Tickets will be available to

faculty and staff beginning Wednesday, Oct. 24. Limited tickets may be available the night of the speech.

One of five female co-hosts of "The View," Ling produces "It's a Ling Thing" and "Lisa's Money Thing" segments for the show.

For information, call (814) 863-3786.



Lisa Ling

Performance art topic of interdisciplinary talk

Charles Garoian, professor of art education and director of the School of Visual Arts, and Yvonne Gaudelus, associate professor of art education and women's studies, will give a lecture titled "Performing Resistance" at 7:30 p.m. Tuesday, Oct. 23, in 101 Engineering Unit D, University Park.

The lecture will explore the theoretical, experiential and pedagogical implications of performance art and address technological culture and its impact on the human body and identity.

This lecture is the second in a new interdisciplinary series, titled "Topical Tuesdays," sponsored by the Department of Architecture. The series, intended to serve

as a forum for discussion on a wide range of ideas and issues, will include lectures and symposia by Penn State leaders in the arts, humanities and sciences. The lectures typically will be held at 7:30 p.m. on Tuesdays in 101 Engineering Unit D. Future speakers include Richard Durst, dean of the College of Arts and Architecture (Oct. 30), and Romolo Martemucci, director of the University's architecture program in Rome (Nov. 6).

Check the College of Arts and Architecture's calendar on the Web at <http://www.artsandarchitecture.psu.edu/news/cal.html> for the locations of future lectures.

Soil science seminar to be given Oct. 19

"Cesium and Strontium Sorption and Mineral Weathering in Hanford Sediments at High pH" will be the topic of an Agronomy/Soils Seminar, to be given by Paula Rothenberg, master's degree candidate in soil science, Department of Crop and Soil

Sciences. The talk will be given from 3:35 to 4:25 p.m. Oct. 19 in 101 Agricultural Sciences and Industries Building.

For more information, call the Department of Crop and Soil Sciences at (814) 863-1601.

Academic advising brown-bag lunches to be held

Each semester, the Division of Undergraduate Studies holds a series of brown-bag lunches that focus on topics related to academic advising. This fall, the first session, "Academic Advising — Helping Students to Get General Education," will be held from noon to 1 p.m. Wednesday, Oct. 24, in 118 Agricultural Sciences and Industries. Eric White, executive director of DUS, and Marilyn Keat, associate director for special projects at DUS, will discuss general education — why research universities continue to embrace it and why students don't "get it" — as well as strategies and techniques that can help students to understand the goals of general education in order to craft a meaningful general education program.

The second session, "What Advisers Should Know about the Bachelor of Philosophy Degree," will be held from noon to 1 p.m. Monday, Nov. 19, in 404 Old

Main. Jeremy Cohen, associate vice provost in the Office of Undergraduate Education, will discuss the bachelor of philosophy degree programs that students have designed, how the program differs from other majors, and when, where and to whom to refer students who are interested in the program. Christopher Pupik, a student enrolled in the major, will discuss his experiences in the bachelor of philosophy degree program, which has allowed him to pursue his academic goals.

The Division of Undergraduate Studies brown-bag lunch series provides advisers with an opportunity for professional development and networking and serves as a forum for the discussion of advising issues. The lunches are open to all faculty and staff.

For more information, call Laura Brown at (814) 865-7576 or e-mail lsb7@psu.edu.

Lecture takes look at Pamplona bull run

Gary Gray, visiting professor of finance, will discuss his new book, *Running with the Bulls*, from 4 to 5 p.m. Thursday, Oct. 25, in Foster Auditorium, 101 Pattee Library on the University Park campus.

The book is described as an adrenaline-charged immersion into the city and the festival Ernest Hemingway made famous in *The Sun Also Rises*.

The presentation will be followed by a reception and a book signing until 6:30 p.m. in the Mann Assembly Room, 103 Paterno Library.

In *Running with the Bulls*, Gray takes

the reader on the run and also gives an intimate tour of one of Spain's most passionate and historic cities. At the center of the celebration of Pamplona's Festival of San Fermín is the encierro, the running of the bulls.

Since Gray's first visit in 1980, he has participated in the encierro nearly every year. His friendships with dozens of Pamplonians, many of whom are involved in the encierro, fill his narrative with unique perspectives.

For more information, contact Shirley Davis at sjd3@psu.edu or (814) 865-2258.

Panel to focus on Web technology at unit level

A panel discussion titled "Integrating Web Technology into Unit-Level Planning" will be held from 10:30 a.m. to noon Monday, Nov. 5, in Boardroom 1 of The Nittany Lion Inn on the University Park campus.

The event is co-sponsored by the Center for Quality and Planning and the Web Strategies Implementation Team.

Panelists will share ideas about integrating Web technology into unit level strategic planning. Guidelines for developing unit level plans for teaching with technology will be presented.

Panel members are: Ginger Breon,

director of Administration and Information Services, Smeal College of Business Administration; John Harwood, senior director for the Center for Education Technology Services, Computer and Information Systems, and chair of the e-Education Council; Christine Moyer, publications specialist, University Relations, Penn State Great Valley; and Fred Loomis, special assistant to the provost and chair of the Web Strategies Implementation Team, moderator.

To register for the panel discussion, call (814) 863-8721 or e-mail psucp@psu.edu.

Women's networks topic of Nov. 28 talk

Matthew Restall, associate professor of history and women's studies will present "Spaniards, Africans, Mayas: Women's Networks in the Color Crucible" at 12:15 p.m. Wednesday, Nov. 28,

in 102 Weaver Building on the University Park campus.

The event is free to the public.

For more information, call (814) 865-1367.

News in Brief

Award nominations sought

The Center for Excellence in Learning and Teaching (CELTY) is now accepting nominations for the 2002 Eisenhower, Atherton and Alumni Teaching Fellow Awards.

Students, faculty, staff, administrators and friends of the University may nominate faculty for these awards. The nomination form and information about the awards can be accessed at <http://www.psu.edu/celt/grants/form2002.teachingawards.html> and <http://www.psu.edu/celt/grants/awards2002.html>, respectively. The deadline for submitting nominations is 5 p.m. Monday, Oct. 22.

For information, contact the CELTY office at celt@psu.edu or (814) 863-2599.

Reminder

The closing date for receipt of Evan Pugh professorship nominating materials is Monday, Oct. 22. All nominations must be submitted in accordance with Policy HR87 and established guidelines and should be sent to the dean of the academic college in which the nominee is appointed. Current nomination guidelines may be obtained by calling (814) 863-9580, by e-mail to vx2@psu.edu, or by stopping in 304 Old Main, University Park.

'Picture This'

The Schreyer Honors College invites the University community to join together at 3 p.m. Wednesday, Oct. 24, for a unique photo opportunity to create the words "WE ARE PENN STATE" on Old Main lawn on the University Park campus.

The event, "Picture This," will benefit United Way. To participate simply donate \$2 for a button before the event. These buttons are available now at C-4 Atherton Hall and the Student Book Store, 330 E. College Ave. The buttons also will be available between 9 a.m. and 4 p.m. Friday, Oct. 19, at the HUB-Robeson Center.

The Nittany Lion will be present at the event. For an additional \$1, participants may bring cameras and get their picture taken with the Nittany Lion on a first-come, first-served basis.

To volunteer or for more information, e-mail scholars@psu.edu.

Dance marathon at New Kensington

A 10-hour dance marathon will be held from 10 a.m. to 8 p.m. Oct. 27 at the Penn State New Kensington field house to benefit THON, the 48-hour dance event held at the University Park campus in February.

Penn State New Kensington student government officials hope to raise more than \$10,000 for THON, the largest stu-



Finishing touches are added to this metal pot by Elizabeth Gilly, a senior in art. The project is part of Art 417 taught by Leslie Leupp, professor of art.

Photo: Greg Grisco

dent-run charity fundraiser in the world. Last year, THON raised more than \$3.6 million for research and treatment of pediatric cancer in Pennsylvania.

Funding proposals

The Equal Opportunity Planning Committee (EOPC) will be receiving funding proposals for programs that occur in summer 2002 and academic year 2002-2003. Proposals for summer 2002 are due on Dec. 14 and proposals for academic year 2002-2003 are due on Jan. 25. Funding proposals are accepted for University programs that support one the seven challenges identified in *A Framework to Foster Diversity at Penn State: 1998-2003* (<http://www.equity.psu.edu/Framework/>).

EOPC will be conducting proposal writing workshops this fall. Information on these workshops and materials for submitting proposals can be found at the EOPC Web site at <http://www.equity.psu.edu/eopc/>.

For more information, e-mail Mike Blanco at mhb4@psu.edu.

Vanpool

A vanpool is looking for two riders from the Philipsburg, Osceola or Houtzdale areas. Work hours are 8 a.m. to 5 p.m. If interested, call Doretta at (814) 865-1407.

Volunteer opportunity

The Adult Development Project on the University Park campus needs men ages 25 to 45 to participate in a research study of relationships between grown children and their parents.

The study consists of a one-hour phone interview at a time of convenience for the participant. Questions cover the close and problematic aspects of grown children's ties to their mothers and fathers. Participants will be paid for their time.

For more information or to participate e-mail parentchild@psu.edu or call (814) 863-1834. Callers should provide their name, a phone number where they can be reached and a good time to be called.

This research is being conducted by Karen Fingerma, associate professor in the Department of Human Development and Family Studies.

Digital image use survey

The Visual Image User Study (VIUS) seeks volunteers to provide information on their digital image needs. The project, under the leadership of the University Libraries and funded through a \$755,000 Andrew W. Mellon Foundation grant, seeks to understand the needs of faculty,

staff and students for digital images of still pictures and to develop a prototype system for image delivery. Some focus groups have been conducted and currently several surveys and interviews are under way.

Individuals who use pictures for teaching and research, and faculty and staff who maintain collections of pictures are urged to participate in this assessment that will ultimately influence image delivery and storage at the University.

For more information, contact James Frost at jx17@psu.edu or (814) 865-6697. Additional information on the project is available on the Web at <http://www.libraries.psu.edu/pubinfo/news/mellongrant.html>.

Faculty, staff handbooks online

Information on policies, benefits, services and other related matters of the University can be found in the *Faculty Handbook* and *Staff Employee Handbook*, both of which are online.

To access the *Faculty Handbook*, go to the University's home page at <http://www.psu.edu/> and select "About Penn State." Click on "Administration" and then "Executive Vice President and Provost." The *Faculty Handbook* link is under "Publications."

To access the *Staff Employee Handbook*, go to the Office of Human Resources home page at <http://www.ohr.psu.edu/> and select "Policies, Handbooks, Contracts." A link to the *Faculty Handbook* also is provided there.

The handbooks are intended for use as a general reference, and to provide the reader with referrals to official sources for definitive answers on University policies and policy guidelines. The handbooks are available in alternative format upon request.

Information to be considered for inclusion in the *Faculty Handbook* should be sent via e-mail to Brenda Hamerster at bgh1@psu.edu. Comments regarding the *Staff Employee Handbook* should be directed to Cathy Ricard at curl@psu.edu.

Addressing for campus mail

Gregg Ascuitto, manager of addressing and mailing services, requests that correspondence for campus mail be addressed to include the name of the recipient plus his or her department, room number and building name. Abbreviations should not be used.

For information, call Ascuitto at (814) 865-7544 or e-mail gja4@psu.edu.



Arts & Entertainment

'The Miser'

"The Miser," a comedy classic by Moliere, will play Oct. 19-27 at the Playhouse on the University Park campus.

"The Miser," will play at 8 p.m. Oct. 19-20 and Oct. 22-27. Tickets start at \$7.50 and are available at Eisenhower Auditorium, The Bryce Jordan Center, or by phone at (814) 863-0255 or (800) ARTS-TIX.

'Forever Wild'

Folksinger and backcountry traveler Walkin' Jim Stoltz, on tour from the mountains of Montana, will bring his multimedia show "Forever Wild" to Penn State Altoona at 7 p.m. Tuesday, Oct. 23, in the Edith Davis Eve Chapel.

Walkin' Jim gets his name from the more than 25,000 miles he has walked through the wild country of North America. Carrying his guitar Stella and writing his songs along the way, Stoltz expresses a great love and respect for the earth and the wild places he knows so well in his lyrics. The show combines live music and poetry with slides of the Utah wilderness; Northern Rockies; the Pacific Crest Trail from Mexico to Canada; and a Yellowstone-to-Yukon walk.

The event is sponsored by Penn State Altoona's Environmental Studies program. Admission is free to the public.

Comedy at New Kensington

Mike Veneman, an Emmy-nominated comedian who is a regular on cable television comedy networks, will perform at noon Oct. 25 at Penn State New Kensington. The event is free to the public.

Veneman has appeared on HBO, Showtime, A&E, Comedy Central and "An Evening at the Improv." He also has done comedy writing and opened for concert acts including Kenny G and the Temptations.

Bach's Lunch

The Penn State Chamber Singers will perform the Bach's Lunch concert at 12:10 p.m. Thursday, Oct. 25, in Eisenhower Chapel on the University Park campus.

The Chamber Singers consist of 24 singers, all of whom are undergraduate and graduate students from a wide variety of departments and schools within the University. This year's ensemble is conducted by Brett Dutton and accompanied by Lee Bassett.

The free, 20-minute concert is sponsored by the Lutheran Student Association and the School of Music. After the concert, audience members may take their bag lunches to the Memorial Lounge in Eisen-



Gabriel Ortiz, who plays Valere, and **Howard Pinhasik**, seen here as Harpagon the Miser, star in the play "The Miser." This comedy takes place at 8 p.m. Oct. 19 to 27, in The Playhouse on the University Park campus. See the arts brief on this page for additional information.

Photo: Greg Grieco

Boston Pops to return to University Park in December for the holidays

Conductor Keith Lockhart and the Boston Pops Esplanade Orchestra are back to will bring Boston's favorite holiday tradition to the University Park campus with a performance at The Bryce Jordan Center at 8 p.m. Tuesday, Dec. 4.

Tickets are \$39.50 and \$49.50 for reserved seats. A limited amount of VIP table seating also is available at \$89.50. A special holiday buffet can be ordered to

BRYCE JORDAN CENTER

compliment the VIP table seating. For more information call (814) 865-5555.

This evening of music will feature the Boston Pops' own arrangements of seasonal favorites with traditional carols sung by the chorus *Gloriae Dei Cantores*, which is based in Cape Cod, Mass.

The 2001 season is Lockhart's seventh year as Boston Pops conductor. This year is the 116th season of The Boston Pops.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (800) 863-3336 and (814) 865-5555, or online at <http://www.bjpc.psu.edu/>.

hower Chapel. Coffee and tea will be provided.

Multi-media art

A multi-media art show featuring the work of the late Gustave L. Brust and Margaret Brust will be on display in the Penn State New Kensington art gallery beginning

Nov. 2. The show will run through the end of the month.

Both Gustave Brust and his wife were sculptors and painters.

Play planned

The Penn State Berks-Lehigh Valley College will present "Paul Sills, Story Theatre"

at 7 p.m. Nov. 9 and 16, and at 2 p.m. Nov. 10 and 17 at the Perkins Student Center Theatre on the Penn State Berks campus.

General admission tickets cost \$7 for adults, \$6 for senior citizens and students 16 and older; and \$5 for children. Children 3 years of age and under are admitted free. For tickets, call (610) 396-6371.



University Park Calendar

October 19 - October 28

SPECIAL EVENTS

Friday, October 19

"A Song and a Prayer: Looking at Differences Preserved," gallery talk by Joyce Robinson, noon, Palmer Museum of Art.
"The Miser," 8 p.m., The Playhouse, through Oct. 27. For tickets, call (814) 863-D255.

Saturday, October 20

The Royal Lipizzaner Stallions, 2 and 7:30 p.m., The Bryce Jordan Center. For tickets, call (800) 865-5555.

Friday, October 26

"Drawings by John F. Kensett," gallery talk by Julia Dolan, noon, Palmer Museum of Art.

MUSIC

Friday, October 19

G.P. Patti on "Multiscale Advanced Raster Map Analysis System Definition, Design and Development," 4 p.m., 3D1 Steidle.
Suzanne Farrell Ballet, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-D255.

Saturday, October 20

Student recital, featuring Brian Fronzaglia, percussion, 1:30 p.m., Recital Hall, Music I.
Student recital, featuring Kevin McManus, trombone, 8 p.m., Recital Hall, Music I.

Sunday, October 21

Graduate student recital, Shy-Luen Chen, conductor, 4 p.m., Recital Hall, Music I.
Guest artist recital, Steven Glaser, piano, 8 p.m., Recital Hall, Music I.

Wednesday, October 24

Gregory Hines, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-D255.
Tuba Euphonium Ensemble, Marty Erickson, director, 8 p.m., Recital Hall, Music I.

Thursday, October 25

Doe studio recital, 8 p.m., Recital Hall, Music I.

Friday, October 26

"The Pledge of Allegiance Tour," a heavy metal festival of five bands, 6:30 p.m., The Bryce Jordan Center.

Student recital, featuring Kyle Schuyler, trombone, 8 p.m., Recital Hall, Music I.

Saturday, October 27

Student recital, featuring Madeline Baia, saxophone, and Aaron McKinney, trombone, 8 p.m., Recital Hall, Music I.

Sunday, October 28

"Essence of Joy," Anthony Leach, director, 4 p.m., Recital Hall, Music I.
Flute studio recital, Eleanor D. Armstrong, director, 7 p.m., Recital Hall, Music I.

SEMINARS

Friday, October 19

Ted Newman on "Classical, Geometric, Drigin of Magnetic Moments, Spin-Angular Momentum and the Diract Gyromagnetic Ratio," 11 a.m., 318 Dmsond Laboratory.

Matthew Serbin Pitinsky on "Dot-com and Beyond," 1:30 a.m. to 4 p.m., The Penn State. For tickets, call (814) 865-7590.

G.P. Patti on "Multiscale Advanced Raster Map Analysis System Definition, Design and Development," 4 p.m., 301 Steidle.



The HUB-Robeson Center on the University Park campus is the site for this ceramic sculpture by Roger Pollock. The work will be on display through Dec. 6.

Sunday, October 21

Danielle Mason on "Reintegrating the Cosmos: The Temples of India and their Fragments," 2 p.m., Palmer Museum of Art.

Monday, October 22

Ron Davis on "Carbon Megatubes — Synthesis and Functionalization," 11:15 a.m., S5 Dmsond Laboratory.

Robert Penrose on a subject to be announced, 3:30 p.m., 318 Osmond Laboratory.

Tuesday, October 23

Dennis Dretson on "Transport in the Cuprates: Conventional or Exotic?" 3:30 p.m., 339 Davey Laboratory.

Susan Sennack on "Mechanism of Membrane Fusion in Influenza Virus and HIV-1," 4 p.m., S5 Dmsond Laboratory.

Clare Midgley on "British Anti-Slavery and Fem-

inism in Transatlantic Perspective," 4 to 5:30 p.m., 102 Weaver.

Peter Throver on "Fifty Years of Carbon Research and Future Prospects," 4:30 to 5:30 p.m., 22 Deike.

Wednesday, October 24

John A. Faulkner on "Fighting Physical Frailty: Maintaining New Fibers in Old Muscles," noon to 1 p.m., 1D8 Wartik Laboratory.
Jonathan Gabrys on "Overview of Advanced Finite Element Analysis at the Boeing Company," 3:35 p.m., 114 Earth and Engineering Sciences.

Thursday, October 25

Gary Shiflett on "Aluminum-Based Metallic Glasses: Why Synthesize then Devitalize?" 11:15 a.m., 22 Deike.
Peter Eklund on "Carbon Nanotubes: Thermo-

electric Chemical Sensors," 12:15 p.m., S5 Dmsond Laboratory.

Ivan Slapnickar on "Relative Perturbation Theory for Hyperbolic Eigenvalue and Singular Value Problems," 4 p.m., 102 Thomas.

Sam Finn on a subject to be announced, 4 p.m., 117 Osmond Laboratory.
Ikem Okeye on "Discussions of Contemporary African Art," 5:30 p.m., Palmer Lipcon Auditorium.

Leonard Pitts Jr. on race and gender, 7:30 p.m., Heritage Hall, HUB-Robeson Center.

Friday, October 26

Hanno Sehlmann on a subject to be announced, 11 a.m., 318 Dmsond Laboratory.

"Digital Media at Penn State," noon to 1 p.m., 141 Computer.

Amey Glasmeier on "Time Does Not Tell: Path Dependency in a Globalizing World, the Case of the World Watch Industry," 4 p.m., 3D1 Steidle.

EXHIBITS

HUB-Robeson Center

"Seeing the World Through Women's Eyes," black and white photography by Kathleen Karp, through Dec. 6.

"Heartdreams and Legends: Story of Two Peoples," through Dec. 4.

Ceramics by Ian Stainton, through Dec. 6.
Ceramics by Cheryl Yarnell, through Dec. 6.
Ceramic sculpture by Roger Pollock, through Dec. 6.

Kenn exhibit area

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," photography by Robin Hoeker, through Dec. 5.

Etchings by Enrica Ruiz, through Dec. 5.

Palmer Museum of Art

"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," through Dec. 16.

"The Poetry of Line: Drawings by Henry Pearson," through Nov. 18.

"American Pastorate: Drawings by John F. Kensett," American Works on Paper Gallery, through Dec. 21.

Pattée and Paterno Library exhibit areas

"To Make You Feel Proud: Gender and Sexuality Studies at Penn State," through Oct. 31.

"Beauty Within the War-Torn Shadown: Visual Arts and Music of the Civil War Era," through Oct. 28.

"Red Waring and Patriotism," through Nov. 23.

Warning Commons

Prints by Rachel Siman, through Dec. 3.

Warnock Commons

Paintings by Kevin Sivka, through Dec. 2.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Luncheon/auction to benefit United Way

The Office of Student Affairs will hold a luncheon/auction from 11:30 a.m. to 1 p.m. Friday, Nov. 2, in Heritage Hall in the HUB-Robeson Center on the University Park campus. All proceeds from the event will benefit the Centre County United Way.



The event will include both a live and a silent auction. All auction items will

be available for preview via the Web. The silent auction items will be on display the day of the auction and bidding on silent auction items will end at 12:15 p.m. The auction is free to the public.

Student Affairs faculty/staff may purchase luncheon tickets for \$7 by contacting the units Student Affairs United Way Committee team member. A limited number of luncheon tickets are available for purchase by the public for \$7 by calling Carol Reilly at (814) 863-9755. Luncheon tickets must be purchased by Oct. 22.

The office also will reveal the winner of the Smooch the Swine Contest at 12:15 p.m. Friday, Nov. 2. The contestant with the most money votes will smooch the swine during the luncheon/auction. To view the contestants, check the Web at <http://www.usa.psu.edu/unitedway>. To cast monetary votes for contestants, drop by the HUB-Robeson Center tables on the ground floor by the Paul Robeson Cultural Center through Wednesday, Oct. 31.

All in a day's work



Darlene Dunkle, deli and bakery worker, prepares cookies in Warnock Dining Hall in West Halls on the University Park campus. Dunkle prepares about 90 to 100 dozen cookies each day — 40-45 dozen for lunch, and roughly the same amount for dinner.

Photo: Annemarie Mountz

OBITUARIES

William S. Mc Gee, assistant dining hall supervisor in Housing and Food Services, from Aug. 27, 1971, until his retirement Aug. 4, 1982; died Aug. 26, at the age of 82.

Betty J. Merritt, residence hall worker in Housing and Food Services, from Sept. 16, 1969, until her retirement Jan. 1, 1992; died Sept. 4. She was 71.

Edna E. Raphael, associate professor of sociology and labor studies in the College of the Liberal Arts, from Sept. 1, 1966, until her retirement Jan. 1, 1980; died Sept. 8, at the age of 86.

Denton A. Steffy, assistant professor of engineering at Penn State Berks, from Sept. 1, 1962, until his retirement June 30, 1981; died Aug. 29. He was 83.

Flora Y. Walters, secretary C in the College of the Liberal Arts, from Sept. 11, 1967, until her retirement Jan. 1, 1981; died Sept. 6, at the age of 84.

Cooperative Extension searching for associate director

Penn State Cooperative Extension is seeking candidates for the position of associate director.

The associate director provides leadership and administration for the day-to-day operations of Penn State Cooperative Extension and reports to and supports the director, who also serves as associate dean in the College of Agricultural Sciences and associate vice president for University Outreach.

The position is a key member of the extension leadership team of three state program leaders, eight regional directors and the administrative team of the College of Agricultural Sciences.

Specific responsibilities include:

- providing leadership, advocacy and facilitation in support of cooperative extension programming;
- ensuring implementation of policies and procedures related to program planning, delivery and evaluation;
- ensuring implementation of policies and procedures related to fiscal and human resource management;
- providing leadership for outreach to diverse clientele, including responsibilities

related to affirmative action, civil rights and equal employment opportunity;

- communicating policies, procedures and processes to internal and external audiences;

- facilitating close working relationships and effective collaborations within the college, with other University outreach partners and with other colleges' programs within the University;

- establishing and maintaining close working relationships and collaborations with external constituencies and local, state and federal government agencies; and

- ensuring compliance with all applicable institutional, state and federal reporting requirements.

Candidates must have an earned doctorate in a discipline or a combination of disciplines that provide strong background for day-to-day operational leadership of a large, complex cooperative extension organization. Significant evidence of successful experience in leading and administering cooperative extension and outreach programs is required. Demonstrated excellence in leadership, effective interpersonal, communica-

tion and organizational skills; and experience in securing and managing funding to enhance cooperative extension and outreach programming are essential. Strong commitment to cooperative extension and the land-grant university system philosophy and mission; demonstrated commitment to diversity, Equal Employment Opportunities and Affirmative Action requirements; and the ability to relate to a wide variety of interest groups also are essential.

This is an academic administrator position with a tenured faculty appointment if appropriate.

Candidates should submit a letter of application, curriculum vitae, two-page summary of their view of the challenges facing a leading cooperative extension organization and complete contact information for four references. Send nominations, applications or inquiries to: Theodore R. Alter, director, Penn State Cooperative Extension, College of Agricultural Sciences, 217 Agricultural Administration Building, Box SRCH, University Park, Pa. 16802-2600.

Submissions will be reviewed beginning Dec. 1.



Partings

Director of Center for Women Students retires after 22 years

Sabrina C. Chapman, director emerita of the Center for Women Students, has retired after 22 years of service.

Chapman has been active in women's advocacy and the women's studies field for a number of years. She has served as director of the Center for Women Students and affiliate assistant professor of sociology and women's studies, and has taught sections of the introductory women's studies course for more than 13 years.

She received the University's Award for Outstanding Contributions Improving Equal Opportunity and Cross-Cultural Relations. In addition, she provided leader-



Sabrina Chapman

ship and worked to develop a grant proposal regarding violence against women, which resulted in a two-year award of \$451,409.

She has held leadership positions in both the National Association for Women and the National Women's Studies Association, and has served as chair and convener for the Committee of Institutional Cooperation Women's Advocacy Network.

In her retirement, Chapman is looking forward to more fully enjoying all that the University and local community have to offer, particularly the performing arts and recreational opportunities. She also plans to travel and perform community service.

Two Abington professors retire with emerita status

Vicki Abt and Priscilla Cohn, two women who pioneered changes in society, recently retired from Penn State Abington with emerita status.

Abt, professor of sociology and American studies, received national attention for

exposing the embarrassing depths of talk-show sleaze and triggered a re-assessment and change of direction by Oprah Winfrey.

Abt came to Abington as an instructor in 1966. She received her doctorate from Temple University in 1971. In the '80s, she initiated the first scientific study on gambling and became one of the first consulting editors of the *Journal of Gambling Studies*. In 1985, she co-authored *The Business of Risk: Commercial Gambling in Mainstream America*, with University colleague James Smith and Eugene Christiansen, special assistant to the New York City Off-Tax Betting Commission.

Abt co-authored a paper with Mel Seesholtz titled "The Shameless World of Phil, Sally and Oprah." It posited that talk shows were dangerous because they suggested that therapy was being provided by the host-facilitators. In 1994, Winfrey invited Abt to be a guest panelist on her show to justify the criticism. Though Winfrey was indignant, this clearly marked a new direction in her format.

In 1997, Abt produced a book with Abington's associate dean, Leonard Mestazza, *Coming After Oprah*. She subsequently served as an expert witness in the

landmark trial against Time-Warner regarding the murder case instigated on the Jenny Jones talk show — a case that won the largest judgment to date against a major talk show corporation.

Abt was honored with the AMOCO Award in 1985 and became a full professor in 1987. Recently, she helped establish Abington College's Division of Social Sciences.

Cohn, professor of philosophy, has been an internationally recognized crusader for animal rights for more than two decades.

Cohn began teaching at Abington in 1966 and completed her doctoral degree from Bryn Mawr College in 1969.

Cohn's growing reputation in the area of animal ethics, particularly the field of non-hormonal immune-contraception for animals, earned her speaking engagements in Europe, South America, Australia and Africa. In 1987, she organized the first International Conference of Wildlife Contraption, held in Philadelphia.

In 1996, Cohn edited *Contraception in Wildlife* and in 1999, she edited and published *Ethics and Wildlife*.

She has given expert testimony in many animal rights court cases, and she has founded her own nonprofit organization, PNC which stands for Pity, Not Cruelty.

Cohn recently returned from Africa where she participated in the Fifth International Conference of Fertility Control.



Priscilla Cohn

APPOINTMENTS

Department has new associate head for undergraduate studies

John R. Hellmann, associate professor of materials science and engineering, has been appointed associate head for undergraduate studies in the Department of Materials Science and Engineering. He will be responsible for the curriculum, accreditation, recruiting and retention, and outreach activities of the department.



John R. Hellmann

After earning his bachelor and doctoral degrees in ceramic science at Penn State, Hellmann spent five years as a member of the technical staff in the Ceramics and High Temperature Chemistry Division at Sandia National Laboratories in Albuquerque, N.M. In 1986, he returned to Penn State as assistant professor of ceramic science and engineering.

From 1986 to 1995, Hellmann was associate director of the Center for Advanced Materials, an industrially and federally funded research center concerned with the development of thermomechanical materials for industrial ener-

gy systems and aerospace applications. He has served as chairman of the Ceramic Science and Engineering Program since 1998.

A Fellow of the American Ceramic Society, Hellmann also has served as president of the Ceramic Educational Council, executive member of the National Institute of Ceramic Engineers, associate editor of

the *Journal of the American Ceramic Society* and recently was named a distinguished mentor by the society for his role in advising and nurturing students and young professionals in the field of materials science and engineering.

Hellmann's research interests concern the mechanical reliability and thermochemical durability of ceramics, metals and intermetallic materials in severe thermal environments. He has published more than 80 papers and supervised the research of more than 100 graduate and undergraduate students.

Interim director named for Center for Women Students

Margaret "Peggy" Loral, assistant director of the Center for Women Students, has been named interim director of the center. Loral, who came to Penn State in 1999 as assistant director of the center, will serve until June 30, 2002, or until a permanent director is named. She replaces Sabrina C. Chapman, who retired after 22 years of service. (See story at left.)

As assistant director, Loral oversees the center's Sexual Assault Awareness/Prevention programming, including FTCAAP, new fraternity member training and orientation. She also has worked with the center's peer educators, PHREE (Peers Helping Reaffirm, Educate and

Empower) and served on a number of University committees focusing on the connection between alcohol abuse and sexual assault.

Loral graduated with a bachelor of arts degree in religious studies and philosophy from Elizabethtown College in 1971, and received a master's degree in community counseling from Shippensburg University in 1989. She is currently a doctoral candidate in counselor education at Penn State and expects to graduate in December.

A search and screen committee will be appointed to review potential candidates to serve as the next permanent director.

PROMOTIONS

Dale V. Silliman, senior research programmer in Computer and Information Systems — Center for Academic Computing
Fred E. Smith, senior research engineer in Applied Research Laboratory
Crystal G. Surovec, computer support assistant in College of Education

Frank W. Symons, senior research engineer in Applied Research Laboratory
Tammie M. Walk, administrative assistant II in Office of International Programs, Office of the Executive Vice President and Provost

Ruth I. Weber, staff assistant IX in College of Engineering

Connie J. Welch, technical/administrative

specialist in Computer and Information Systems — Telecommunications

Dennis B. Wess, research engineer in Applied Research Laboratory

Dan S. Wheeler, research technician II in College of Medicine, Hershey Medical Center

Lori K. Witherite, staff assistant VI in Division of Development and Alumni Relations

Susan M. Woodling, assistant extension agent in College of Agricultural Sciences
Michael D. Yarnell, financial analyst in Division of Auxiliary and Business Services
Charles R. Zentner, senior research engineer in Applied Research Laboratory



Penn Staters

Long-Qing Chen, associate professor and associate head for graduate studies in the Department of Materials Science and Engineering, gave an invited presentation at the International Workshop on Thermodynamic and Structural Properties of Materials, in Palais des Papes Avignon, France. It was titled "Microstructure Evolution in Systems with Internal and External Stresses."

Sridhar Komarneni, professor of clay mineralogy in the Department of Crop and Soil Sciences and Materials Research Institute, recently gave several invited lectures in India. He talked about "Nanocomposite Route to Ceramics" at Indian Institute of Technology and on "Ceramic Powders by Microwave-Assisted Hydrothermal Process" at Corbaurundum Universal Ltd., both in Chennai; and on "Nanocomposites" at the Department of Physics at Osmania University and on "Synthetic Clays for Remediation of Contaminated Soils" at A.N.G.R. Agricultural University, both in Hyderabad.

Football Coach Joe Paterno has been selected as the 2002 recipient of the American Football Coaches Association's Amos Alonzo Stagg Award. The award honors those "whose services have been outstanding in the advancement of the best interests of football." In his 36th season as head coach and his 52nd year as a member of the Penn State coaching staff, Paterno is the nation's leading active Division I head coach in terms of wins.

Paul S. Weiss, professor of chemistry, presented a series of invited talks during a recent trip to Japan. In Kyoto, his talks included "Controlling and Measuring Local Composition and Properties in Lipid Bilayer Membranes" at the fourth International Conference on Biological Physics and "Exploring and Controlling the Atomic-Scale World" at the Kyocera corporate headquarters. In Yokohama, his presentations included "Controlling and Measuring Local Composition and Properties in Lipid Bilayer Membranes" at the Tokyo Institute of Technology Laboratory of Biodynamics and "Measuring and Controlling Molecular-Scale Properties for Molecular Electronics" at the Tokyo Institute of Technology Department of Biomolecular Engineering.

Alexander Wolszczan, Evan Pugh professor of astronomy and astrophysics, has been honored with the Marian Smoluchowski Medal — the highest prize awarded by the Polish Physical Society. Wolszczan became the first person to discover planets outside our solar system in 1992, when he used the 1,000-foot Arecibo radio telescope to detect three planets orbiting a rapidly spinning neutron star.

Dimesh Agrawal, professor of materials and director of the Microwave Processing and Engineering Center in the Materials Research Institute, gave invited presentations on "Microwave Processing of Ceramics, Composites and Metallic Materials" at the Federal University of Sao Paulo and the University Estadual Paulista, Araraquara, both in Brazil. He also gave invited presentations on "Extraordinary Successes with Microwave Fields for Synthesis and Sintering of Ceramics, Metals and Composites" at a symposium organized by the Institute of Solvothermal Technology, Takamatsu, Japan, and Kokushikan University, Tokyo. In addition, he gave a presentation on "Recent Developments in Microwave Processing of Ceramics, Composites and Metallic Materials" at the Korea Advanced Institute of Science and Technology, Daejeon, South Korea.

James B. Anderson, Evan Pugh professor of chemistry, presented a series of lectures at the Third Seminar on Monte Carlo Methods of the International Association for Mathematics and Computer Science in Simulation in Salzburg, Austria. His lectures were titled: "The Simulation of Detonations," "Monte Carlo Methods in Electronic Structure for Large Systems," "Quantum Monte Carlo: Direct Calculation of Corrections to Trial Wave Functions and Their Energies" and "Monte Carlo Treatment of UV Light Imprisonment in Fluorescent Lamps."

Charles Garioian, professor of art education and director of the School of Visual Arts, and **Yvonne Gaudelius**, associate professor of art education and women's studies, have been awarded the National Continuing Education Association 2001 Award of Excellence in Non-Credit Program Development for their symposium, "Performative Sites: Intersecting Art, Technology and the Body." The symposium, which included nationally and internationally renowned and emerging performance artists, theorists, educators and scholars, explored the theoretical, experiential and pedagogical implications of performance art and addressed technological culture and its impact on the human body and identity through a variety of programs.

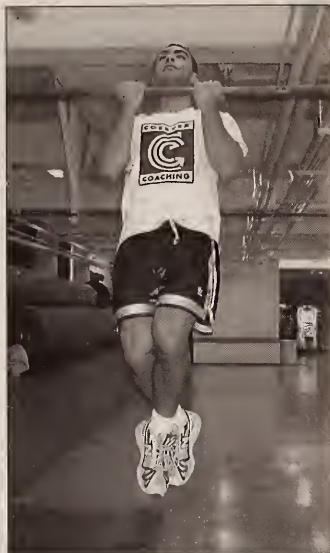
Iam-Choon Khoo, distinguished professor of electrical engineering, presented an invited paper titled "Optical polarization switching, limiting, image processing and communication channel nonlinear optics with liquid crystals" at the ninth International Topical Meeting on Optics of Liquid Crystals, in Sorrento, Italy. Together with **Gaetano Assanto** of the University of Rome and **Cesare Umeton** of the University of Calabria, he also presented another invited paper on "Coherent and Incoherent Optical Spatial Solitons."

John H. Pazur, professor emeritus of biochemistry, presented a lecture concerning the preparation and function of antibodies for the hormone that regulates the synthesis of red blood cells at the International Symposium on Glycobiology in The Hague, The Netherlands.

John W. Tippecanoe III, professor of education in the Department of Education Policy Studies and director of the American Indian Leadership Program, has been named to the board of directors of the American Association of Higher Education.

The Department of Transportation Services Event Parking staff recently received recognition for outstanding achievement at the First Annual Pennsylvania Parking Association Awards Program held in Harrisburg. In the area of event parking, **Frank Pope**, event parking coordinator, accepted the Award of Excellence for Innovation in Parking Management. This award was given for the management strategy used to park the Bill Gaither Tour sell-out event. The department also received an Award of Merit for Innovation in Parking Improvement for the expansion of the HUB Deck that occurred last summer. **Doug Holmes**, Transportation Services Facilities coordinator, accepted the award for his work with the parking consultants of Tim Haas and Associates, High Concrete, Reynolds Construction, and the **Office of Physical Plant**. Holmes also was selected as president of the Pennsylvania Parking Association.

Workin' out



Brian Senger, a senior chemical engineering student, took some time between classes recently to work out behind the main gym bleachers in Rec Hall on the University Park campus.

Photo: Annemarie Mountz

BOOK SHELF

Erwin A. Vogler, associate professor of materials science and engineering.
Water in Biomaterials Surface Science, John Wiley and Sons Ltd. Publishers

Vogler wrote three chapters for the book: "Biological Properties of Water" (chapter one), "On the Origins of Water Wetting Terminology" (chapter six) and "How Water Wets Biomaterial Surfaces" (chapter 10). The book, edited by Marco Morra, was written by an international team of scientists. It presents the latest ideas and research on molecular hydration and hydration forces, and how they determine the interaction between water molecules and biomaterial surfaces.

Warren Wake, associate professor of architecture and integrative arts.
Design Paradigms: A Sourcebook for Creative Visualization, published by John Wiley and Sons Inc., New York.
The book, which deals with creativity and problem-solving, is for anyone interested in how things work. It builds an understanding of design fundamentals underlying a variety of everyday objects and natural organisms and explores how these principles can be used in problem-solving.



Focus on Research

Supercomputers reveal strongest carbon nanotubes

A team of researchers led by Vincent Crespi, Downsbrough associate professor of physics, has used computer simulations to discover carbon fibers with mechanical strength comparable to that of diamond.

Crespi, graduate student Dragan Stojkovic and recent doctoral degree graduate Peihong Zhang report that they have discovered incredibly strong and stiff carbon tubes about 0.4 nanometers in diameter. The so-called nanotubes could theoretically be made from simple starting materials.

"This new fiber hasn't been synthesized yet," Crespi said, "but several physicists and chemists are interested in making them, and they may prove very useful in nanotechnology applications."

Using supercomputers at the San Diego Supercomputer Center, the University of Michigan and the University of Texas, Crespi's team simulated the electronic states and total energies of various carbon molecules. The nanotube discovery by Crespi's team was made serendipitously while its members were studying unrelated features of carbon compounds.

"This is one of those sideways inspirations that comes when you're looking at one thing and you suddenly realize it has a different application," Crespi said.

He immediately adjusted the focus of his simulations.

"Actually, I was motivated to make this strong nanotube the moment I realized it could be done."

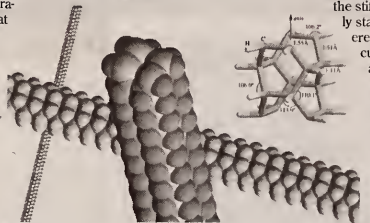
Commercially available "carbon fiber" is six to 10 micrometers thick, or one-fifth the thickness of a human hair, and made of carbon-containing polymers. It is used to make items ranging from golf clubs and tennis rackets to bicycle frames

"This is one of those sideways inspirations that comes when you're looking at one thing and you suddenly realize it has a different application."



Vincent Crespi

and racing yachts. While this type of carbon fiber is weaker than carbon nanotubes, it is easy to produce in large quantities. Manufacturers weave it into sheets, bars, tubes and other shapes — often in several overlapping layers to increase their strength. Binders such as epoxy resins are often applied to the sheets to connect the fibers to one another for additional strength.



This is a computer-generated image of the structure of a carbon nanotube.

Carbon nanotubes are 10,000 times thinner than commercial carbon fiber.

Researchers make them using chemical vapor deposition, a standardized industrial technology in which simple ingredients self assemble. Crespi said vapor deposition also would most likely be used to make the much stronger version of nanotube that his group discovered.

Not all nanotubes have the same properties. The smallest diameter nanotubes created to date have a circumference of about 10 carbon atoms. These tubes are not stable and must be grown within larger-diameter carbon tubes or in tiny cylindrical holes in special crystals known as zeolites.

The team recently made a key discovery that a particular type of tetrahedral carbon atom — one with three weakly bonded groups and a relatively tightly bonded group — had special properties. When connected to one another, these molecules have carbon-carbon bonding angles of about 109.5 degrees, which also is the ideal bonding angle of carbon atoms with tetrahedral symmetry. In addition, the stiff, small-diameter and chemically stable carbon nanotube discovered by the researchers has a circumference of only six carbon atoms, or about 0.4 nanometers, the smallest diameter theoretically possible.

"Based on our calculations, these new nanotubes are about 40 percent stronger than the other nanotubes formed using the same number of atoms," Crespi said. "In fact, the nanotubes we simulated may well be the stiffest one-dimensional systems possible."

Segregation increasing in public schools in the suburbs

As suburban schools nationwide are experiencing increasing enrollments of blacks, Hispanics and Asian students, reflecting national population trends, there has been a concurrent rise in the levels of school segregation between white and minority students among suburban schools, a University researcher said.

Racial school segregation, long an urban phenomenon, has in recent decades appeared in the suburbs, primarily as a result of increasing residential segregation between suburban school districts," according to Sean F. Reardon, assistant professor of education and sociology. "Over a quarter of suburban students are non-white, and these students are increasingly concentrated in schools and school districts with disproportionately few white students, as compared to the overall suburban student population."

Reardon and John T. Yun, doctoral student at Harvard University's Graduate School of Education, analyzed data on the racial enrollments of all public schools in suburban areas from 1987 to 1995. They measured segregation by determining the degree of unevenness in the racial compositions of suburban schools. They investigated the relationship between rates of minority population growth and rates of change in segregation during those years.

"Although racial school segregation is still lower among suburban schools than among urban schools, we found that suburban areas with the most rapidly growing minority student populations are, on average, experiencing relatively rapid increases in segregation levels," they noted. "This is primarily due to the fact that the most rapid growth of minority student enrollments has been in suburban school districts with low or declining white student enrollments."

Geoscientists present clearer picture of pre-oxygen atmosphere

By ANDREA ELYSE MESSER
Public Information

Methane and carbon dioxide, not ammonia, were the greenhouse gases that compensated for our less energetic sun during the pre-oxygen Archean, University geoscientists said.

"We are looking at what the Earth's atmosphere was like prior to 2.3 billion years ago, before the rise of oxygen," said James F. Kasting, professor of geosciences and meteorology. "We believe it is likely that methane was the major component of the atmosphere then and the major greenhouse gas."

Kasting and geosciences graduate student Alexander A. Pavlov looked at a variety of

ways to estimate the methane concentrations in the Archean atmosphere. Methane is produced by methanogenic bacteria, organisms that create methane from organic material and hydrogen and carbon dioxide.

"One way to estimate methane in the Archean atmosphere is to take today's methane production by organics and lower today's oxygen to that of the Archean, arriving at about 1,000 times higher than today's methane value," Kasting said. "However, other methods of estimation are better."

Looking at the way methanogenic bacteria produce methane, researchers noted that given abundant nutrients, these bacteria will convert hydrogen until insufficient energy

exists to continue. According to thermodynamic analysis, this means that 90 to 95 percent of the hydrogen would be converted to methane.

"This analysis also produces a methane level in the Archean of 1,000 times today's level," Kasting said.

According to Kasting, this level of methane would compensate for the sun which produced only 80 percent of the energy during the Archean that it does today. Previous suggestions for greenhouse gases to compensate for the sun's lower energy include carbon dioxide and ammonia. In the Archean, while Cyanobacteria, bacteria capable of photosynthesis similar to algae, are

producing some oxygen, the oxygen is quickly reduced. Ammonia, which some, including Carl Sagan, thought a likely greenhouse gas for this stage in Earth's history, could not have served that purpose, according to Kasting and Pavlov.

"The problem with ammonia is that it will not persist in the atmosphere because sunlight easily breaks it apart into nitrogen and hydrogen," Kasting said. "In 1957, Sagan and others proposed that smog-like gas on Saturn's moon Titan could have protected the ammonia from photolysis."

Andrea Elyse Messer can be reached at aem10@psu.edu.

Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mount, editor

Julie A. Brink, associate editor

Chris Koleno, editorial assistant/calendar

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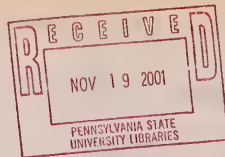
Demonstration spotlights Fire Prevention Week



In conjunction with **National Fire Prevention Week**, the Office of Environmental Health and Safety held a fire prevention display Oct. 12 on the Carnegie Building lawn at University Park. **At top**, home-schooled students David Sellers, left, Nathan Sellers, Elizabeth Sellers, Michael Sellers, Ken Ertsgaard and Kristi Ertsgaard watch a fire-safety video as Mary Sellers looks on from behind them. Mary Sellers and Beth Ertsgaard took the children, who range in age from 5 to 10, to the demonstration as a field trip. **At left**, Steven G. Treibold, fire protection engineer in the Office of Environmental Health and Safety, demonstrates how materials can quickly catch fire when they come in contact with a halogen lamp. The common bedding fabric began to smolder within a minute and burst into flames in fewer than five minutes from the time it first came into contact with the bulb. For this reason, halogen lamps are banned in all University buildings. **Below**, Bill Anderson, assistant vice president for physical plant, crawls out of a smoke-filled tent. The tent, filled with non-toxic, theatrical smoke, was used to demonstrate the importance of keeping low to the ground in a fire.

Photos: Annemarie Mount





Intercom

INFORMING THE PENN STATE COMMUNITY

OCTOBER 25, 2001

Benefits Open Enrollment period set to begin on Nov. 1

The annual Employee Benefits Division Open Enrollment period will occur from Nov. 1 to 30. During this time, employees will have the opportunity to enroll themselves and/or eligible dependents in a University-sponsored medical plan or to change from one plan to another.

Additionally, employees may enroll or

change the amount of Voluntary Accidental Death and Dismemberment coverage and make changes to life insurance programs. All employees who wish to participate in a Flexible Benefits Reimbursement Account for 2002 *must* enroll, even if they participated this year and wish to continue at the same contribution level in 2002.

The Web-based open enrollment system will be available throughout the open enrollment period. This program improves the efficiency, accuracy and businessness of the traditional paper-based system. Faculty and staff may make and submit their benefit choices from anywhere in the world during the open enrollment period and, if desired,

electronic confirmation of the choices made will be returned within minutes by e-mail.

The only requirements to use this system are an Internet-connected computer and a Penn State User ID. Most faculty and staff have user IDs and use them to send and

Benefits, page 3

THE HISTORIES OF PENN STATE

Born from community need

History of Penn State DuBois is closely linked to that of its hometown

Editor's note: Most people know the history of Penn State as that of a school chartered in 1855 at the request of the Pennsylvania State Agricultural Society to apply scientific principles to farming. Since that time, Penn State has grown from that one campus at University Park to 24 locations statewide, and each of those other locations has its own special history. Throughout this academic year, Intercom plans to highlight those histories, as told by experts at each of those campus locations.

By MICHELE MOYER
Penn State DuBois

Penn State DuBois is named for the founder of its hometown, John DuBois, a lumber baron whose logging empire helped carve a thriving city out of the forests of rural Clearfield County in the mid-1800s.

A name is not all the town and campus share, however. Since the DuBois Undergraduate Center opened its doors in 1935, the histories of the campus, the town and its founding family have become closely intertwined.

Penn State established the center at the request of local business and civic leaders



This Victorian mansion was built in 1900 by John E. DuBois Sr. for his two sisters. The house was acquired by Penn State DuBois in 1998. The house, which has been named Symmco House, is being renovated and will be used as an administrative center.

Intersection to close forever at University Park

Major changes to the Pollock Road entrance to University Park and traffic flow on North Atherton Street will occur on Wednesday, Oct. 31. Fencing will go up around the construction site of the new Information Sciences and Technology Building and all access to Pollock Road from North Atherton Street will cease. Two new replacement intersections and traffic lights will be activated the same day north of the old intersection. The old light

Intersection, page 3

Gift/purchase will expand Penn College

Pennsylvania College of Technology and HON Industries Inc. have announced their intent to complete a gift/purchase arrangement by which the college will acquire HON's vacant Williamsport manufacturing facility adjacent to the main campus and convert it for use by academic and work-force training programs.

Under the proposed arrangement, the college will pay a portion of the approximately \$3.6 million transaction, and HON Industries Inc. will provide the

Penn College, page 3

DuBois

Continued from page 1

who had surveyed the town and surrounding communities and found great interest in and support for a college facility.

The center opened at the old Hubert Street grade school with 42 students.

As enrollment began to grow, the local school board and heirs of the DuBois family gave the center "in perpetual lease" the family homestead: a Tudor-style mansion surrounded by four acres of formal English gardens. The center moved to the mansion in 1938 and held classes there until 1975.

At a pioneer alumni reunion held last May, students of the center recalled the architectural beauty of the mansion and their thrill in taking classes in the home of a man whose reputation extended far beyond their hometown.

Over the years, community support has played a vital role in the campus' growth. In 1945, local leaders organized a community advisory board, the DuBois Educational Foundation, whose first act was to hold a successful fund drive to build a wing on the Science Building.

An updated Science Building was a necessity to meet the needs of servicemen who were returning from World War II and enrolling at the campus on the GI Bill. At that time, many local veterans started their Penn State bachelor's degree in engineering or other related fields at DuBois.

In 1955, at the urging of the foundation, the campus instituted a two-year associate degree program to enable students to enter specialized engineering fields.

Today, the campus offers three associate degrees in engineering technology. Located in the heart of the state's flourishing powder metal industry, the campus offers programs in materials engineering technology and mechanical engineering technology to provide a trained work force for the region's largest industry.

In 1962, the DEF once again turned to the community to raise \$500,000 to help construct the Swift Memorial Building, which houses classrooms and labs. A Multi-Purpose Building for

athletic events followed in 1967 and the Donald S. Hiller Building, which includes an auditorium, library, student lounge and administrative offices, was completed in 1975.

In 1989, the foundation successfully concluded its portion of a \$2 million campaign to erect a new classroom building on the former site of the DuBois Mansion. Business leader and campus alumnus Frank Smeal and wife Mary Jean provided the lead gift, and Penn State named the building in honor of his mother.

Recently, the campus acquired two historical city landmarks.

In 1998, it purchased a second Victorian mansion owned by the DuBois family. Built in 1900 by John E. DuBois Sr. for his two sisters, the house will be used as an administrative center and called Symmco House. It will include the offices of the campus executive officer, director of Academic Affairs and director of University Relations. A gift from the Symmco Foundation of Sykesville is helping to restore the home so it reflects the lumber heritage of the city. Renovations currently are under way.

Last year, the foundation helped the campus acquire Monument Hill, a 10.4-acre parcel north of the campus. The hilltop property is home to the burial site of John DuBois, whose tomb is topped with the statue of a woman and inscribed with the word "hope," a symbol of DuBois' enduring sense of hope for his city.

Two acres of the site have been earmarked to meet future parking needs. The remaining eight acres will be developed as a recreational area for students and the community. Cleanup has begun on the site, with extensive landscaping planned to help renew the area's natural beauty. The cleanup effort already has improved the hill by uncovering the brush-covered monument and making it visible once again to the community.

*Michele Moyer can be reached at
mcm14@psu.edu.*



This statue personifying hope marks the burial site of John DuBois on Monument Hill. Penn State DuBois acquired the property in 1998 and is developing eight acres of the site as a recreational area for students and the community.



New to the Penn State DuBois campus is a Nittany Lion Shrine.

DuBois at a glance

- Claudia A. Lambert, CEO
- Member of the Commonwealth College
- Student enrollment of about 1,100
- 38 percent adult learners
- Courses offered in DuBois, St. Marys and Ridgway
- 11 associate degrees, three baccalaureate degrees, two master's degrees
- Continuing Education serves approximately 2,000 annually
- Variety of on-site training programs for local business, industry
- 20 student organizations
- Nearly \$250,000 awarded annually in scholarships
- 2000 recipient of the DuBois Greater Chamber of Commerce Community Cup for community service and first-place winner of the 2000 City Garden Contest
- New on campus: Nittany Lion shrine and 227-space student parking lot

Search begins for new EMS dean

The University is seeking candidates for the position of dean of the College of Earth and Mineral Sciences.

This position will be open as of June 30 due to the retirement of John A. Dutton.

The dean serves as principal academic leader and chief executive officer of the college and reports directly to the executive vice president and provost of the University. He or she is responsible for the quality of academic programs in teaching, research and service; strategic planning; budgeting; and fund-raising, alumni and outreach relations.

The position requires an individual who can lead effectively and manage a college in a multi-campus research university. Candidates should have significant academic and administrative experience with credentials appropriate for a tenured appointment at the rank of professor. The candidate should have a thorough familiarity with the philosophy and responsibilities of a large, research-oriented institution. Prior experience in academic administration with responsibility for personnel, programs and/or resources is required.

The College of Earth and Mineral Sciences provides instruction and research

opportunities in the Departments of Energy and GeoEnvironmental Engineering; Energy, Environmental and Mineral Economics; Geography; Geosciences; Materials Science and Engineering; and Meteorology. In addition to the academic departments, there are a number of research centers and institutes that enhance the research mission of the college. Study in the College of Earth and Mineral Sciences covers a wide range, from fundamental science through engineering to advanced technology and industrial applications, including global environmental and energy issues, business strategies and human responses to changing social conditions.

Send applications or nominations on a diskette or by e-mail to PSU/Search@psu.edu, or by paper copy to David N. Wormley, chair, Search Committee for Dean of the College of Earth and Mineral Sciences, 201 Old Main, University Park, Pa. 16802. The search committee will begin to review applications on Nov. 19 and will continue to receive them until the position is filled. For information about the College of Earth and Mineral Sciences, check the Web at <http://www.ems.psu.edu/>.

Penn College

Continued from page 1

remainder of the appraised value of the land, property and equipment as a gift to Penn College.

"We expect the vast majority of the amount to be gifted to the college," explained Penn College President Dave Jane Gilmour. Funding for the purchase would come from the college's unrestricted fund balance. Cost estimates for the conversion work are not yet available.

The college plans to begin renovations immediately to prepare the facility for occupancy by several academic and training programs.

The 1201 W. Third St. property, which is situated on 6.56 acres, totals 102,690 square feet and includes a one-story manufacturing plant with an attached, one-story warehouse. The site has 12 loading docks and 160 parking spaces available, and there is an unpaved area that could accommodate an additional 30 vehicles. There is a total of 1,784 square feet of office space in two different locations within the facility.

Benefits

Continued from page 1

retrieve e-mail through the University. Any employee who does not have a Penn State User ID and password should contact the Center for Academic Computing at <http://cac.psu.edu/>.

■ To make benefits changes for 2002:
■ Access the Employee Benefits Division Web page at <http://www.ohr.psu.edu/benefits/benefits.htm>, or through a link from the University home page at <http://www.psu.edu/>.

■ On the Benefits Web page, click on the link for "Open Enrollment for 2002."

■ To review current benefits, click on the "REVIEW" option in the frame on the left.

■ When prompted, enter the user's Penn State Account ID and password.

■ To change medical plans or, if enrolled in an HMO, to change prescription drug plans, click on the Medical Plan selection in the frame on the left. Medical plan options are determined by the employee's county of residence.

■ After completing each section, the user must click on the "Save to Application" button found at the bottom of each page. This will save the changes that have been indicated on the page.

■ Flexible Benefits Accounts for Health Care Reimbursement and Dependent Care Reimbursement expire at the end of each year. Therefore, new elections must be made annually, even if the amount contributed per pay is the same. To complete this election, click on the "Flex Accounts" option in the frame on the left.

■ After all changes have been made, go to the "SUBMIT" page to send them electronically to the Employee Benefits Division.

■ Unless the user declines an e-mail confirmation during the "SUBMIT" process, within a few minutes of the submission, an e-mail will be sent confirming the benefit choices made for 2002. Paper confirmation statements also will be mailed to employees' homes in early December. If there are changes to be made, employees should indicate those changes on the paper confirmation statement and return it to the Employee Benefits Division.

If an employee does not wish to make any changes or does not wish to contribute to either of the Flexible Benefits reimbursement accounts, he or she does not need to do anything.

During the open enrollment period, staff members from the Employee Benefits Division will be available to assist employees with any questions regarding the Web-based enrollment process as well as answer any benefits related questions. Additionally, personal computer stations will be available in the Employee Benefits Division office, as well as at each University Park Benefits Open House. However, if an employee cannot access any computer to complete the online enrollment, he or she should contact the Employee Benefits Division at (814) 865-1473 or by e-mail at bene@psu.edu.

Questions regarding the Web-based enrollment system or the open enrollment period should be directed to the Employee Benefits Division at (814) 865-1473 or by e-mail to bene@psu.edu.

Intersection

Continued from page 1

at Pollock Road will be deactivated. The new traffic lights will be in "flashing" mode for three days before Oct. 31 to allow the public to accustom to the new situation.

A new entrance to West Campus will be located 100 yards north of Pollock Road and will be called White Course Drive. The second new intersection will be just north of Rec Hall and will connect Curtin Road to North Atherton Street. It curves directly in front of The Nittany Lion Shrine, providing a new scenic entrance to campus.

Pedestrian crossings will shift to the north by White Course Drive, and south of Pollock Road between Walker Building and the bus station. Signs will direct people to the new crossings. Additional low safety fencing for pedestrian control will be installed for several hundred yards along North Atherton Street and those fences will be shielded with special plantings this spring. The public is asked to be patient with these extensive changes during the two-year construction of the new IST Building, which is scheduled for completion in late 2003.



The intersection of Pollock Road and North Atherton Street on the University Park campus will close permanently on Oct. 31 for construction of the IST Building.

Photo: Greg Grieco



Lectures

Marker Lectures look at roots of physical law

Gerard 't Hooft, the 1999 Nobel laureate in physics, will present the 2001 Russell Marker Lectures in Physical Sciences from Oct. 30 to Nov. 2 on the University Park campus.

The series, "Searching for the Roots of Physical Law," includes a lecture titled "The Universe of Elementary Particles," intended for a general audience, at 8 p.m. Tuesday, Oct. 30, in 117 Osmond Laboratory.

This lecture is free to the public.

Other lectures consist of a Department of Physics colloquium, "Reductionism and Determinism in Fundamental Physics," at 4 p.m. Thursday, Nov. 1, also in 117 Osmond



Gerard 't Hooft

Laboratory, and two seminars: "The Quantized Black Hole and the Holographic Principle" at 3 p.m. Wednesday, Oct. 31, in 439 Davey Laboratory and "How Does God Play Dice? (Speculations on Quantum Mechanics at the Planck Scale)" at 11 a.m. Friday, Nov. 2, in 318 Osmond Laboratory.

The Marker Lectures were established in 1984 through a gift from the late Russell Earl Marker, professor emeritus of organic chemistry, whose pioneering synthetic methods revolutionized the steroid-hormone industry and opened the door to the current era of hormone therapies, including the birth-control pill.

Comparative Literature speakers scheduled

The Comparative Literature Luncheon, a weekly informal lunchtime gathering of students, faculty and other members of the University community, has announced the next speakers in this semester's series.

The events begin with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy something in Kern Cafeteria. Coffee and tea are provided. The speaker will begin at about 12:40 p.m. The events are free to the public.

Speaking are:

■ **Oct. 29:** Nancy Marie Brown, director of research publications and policy, on "Medieval Icelandic Sagas and Modern Icelandic Realities: The Writing of 'A Good House Has No Color.'" ■ **Nov. 5:** Professor Santiago Vaquera, professor in the Department of Spanish, Italian and Portuguese, on "Limit, Divide, Gateway: Rethinking the Borderlands."

For information, e-mail Daniel Walden at dww8@psu.edu.

Medieval literature specialist to talk on Chaucer

Carolyn Dinshaw, professor of English at New York University, will give a lecture titled "Pale Faces," from 4 to 6 p.m. Thursday, Nov. 1, in The Nittany Lion Inn on the University Park campus.

A reception will follow her speech.

Dinshaw is a specialist in medieval literature and is director of the Center for the Study of Gender and Sexuality. Her talk will explore the relationships between Geoffrey Chaucer's poetry, queer studies and post-colonialism.

This is the inaugural lecture of "Millennium, Approached: Queer Literary Studies in the 21st Century: A Lecture/Discussion

Series," organized by the Department of English.

The series coincides with the Commission on Lesbian, Gay, Bisexual and Transgender Equity's 10th anniversary events, held this month, with the theme "A Decade of Pride: A Milestone on the Road to Equity."

For a schedule of upcoming speakers, visit <http://english.la.psu.edu> and check under "Forthcoming Events."

The lectures are free to the public. For information about the Millennium series, call Vincent A. Lanckewich at (814) 865-4383.

Talk series to explore historic peace churches

The fall installment in the Penn State Harrisburg American Studies Distinguished Lecture Series will focus on historic peace churches.

The lecture by Donald F. Durnbaugh is free to the public at 7 p.m. Oct. 29 in the Lounge Gallery of the Olmsted Building on campus. Three families of Christian churches have for decades been called "The Historic Peace Churches." These are the Religious Fellowship of Friends (Quakers), the Mennonite

Churches and the Church of the Brethren. Durnbaugh is archivist of Juniata College and fellow of the Young Center for Anabaptist and Pietist Studies at Elizabethtown College. He is professor emeritus of church history at Bethany Theological Seminary and currently chairman of the Publications Committee of the Pennsylvania German Society.

For lecture information, call (717) 948-6201 or e-mail amstd@psu.edu.

Reclusive writer topic for author's discussion

"Conrad Richter: Writing the Life of a Reclusive Man" will be presented by David R. Johnson, professor of English at Lafayette College, at 4 p.m. Thursday, Nov. 1, in the Charles W. Mann Jr. Assembly Room, 103 Paterno Library, University Park.

Johnson, author of *Conrad Richter: A Writer's Life*, will discuss the difficulties and challenges of writing about Richter, who was notoriously reclusive and shy. Richter (1890-

1968), a native of Pennsylvania, is best known today for his books *The Sea of Grass*, *The Trees* and *The Light in the Forest*. His novel *The Waters of Kronos* won the 1961 National Book Award.

An exhibit of some of Richter's papers from the University's Special Collections Library also will be on display.

For information, call James L. W. West III at (814) 863-7551 or e-mail jw14@psu.edu.

Lecturer to discuss workplace career trends

"Tea Leaves in Turmoil: Reading Career Trends in the American Workplace" will be presented by Tim Dixon from 2 to 3 p.m. Friday, Nov. 2, in Foster Auditorium, 101 Pattee Library, University Park.

Dixon is director of Information Services and Technology at Career Development Services in Rochester, N.Y., which is a nonprofit

organization that offers career development services to individuals and corporations.

The presentation, sponsored by Schreyer Business Library, is free to the public. A reception will follow in the Mann Assembly Room, 103 Paterno Library.

For information, e-mail Diane Zabel at dxz2@psu.edu or call (814) 865-1013.

Cuba subject of Huddle with Faculty lecture

John Nichols will present "Cuba and Castro: Today and Tomorrow" at 9 a.m. Oct. 27 in the faculty-staff room at The Nittany Lion Inn on the University Park campus.

Nichols, professor of communications and president of the Penn State Faculty Senate, studies U.S.-Cuban telecommunications disputes and the right to international travel. He is a former newspaper

reporter and U.S. Army intelligence officer.

The free presentation is part of this fall's Huddle with the Faculty lecture series, a Penn State Alumni Association outreach program that features presentations by faculty before every home football game.

For information on upcoming speakers, call Mary Jane Stout, Alumni Continuing Education, at (814) 865-5466.

Conversations to explore academic integrity

Professors Nancy Tuana and Kenneth M. Weiss will lead a conversation on academic integrity during Conversations at Kern from 5:15 to 6:30 p.m. Thursday, Nov. 1, in 112 Kern Graduate Building on the University Park campus.

Tuana is the director of the Rock Ethics Institute and professor of philosophy in the College of the Liberal Arts. The Rock Ethics Institute promotes ethical awareness and inquiry in the University and in the public and professional sectors by supporting curricular innovations designed to improve moral literacy across the University curriculum, building

collaborative research projects around ethically based initiatives and encouraging public dialogue on ethical issues.

Weiss is Evan Pugh professor of anthropology and genetics. His research interests are in the role played by genes in complex traits, including human chronic disease, and in the variation and evolution of such traits. He has been involved in studies of many aspects of human genetic variation.

Registration is not required to attend.

For information, e-mail Richard H. Yahner, associate dean of the Graduate School, at rhy@psu.edu.

MathFest adds up to its second conference

The second annual MathFest Conference for ninth- and 10th-grade students will take place Saturday, Nov. 10, in 101 Agricultural Sciences and Industries Building on the University Park campus.

The Women in the Sciences and Engineering (WISE) Institute is the host for this one-day conference and career fair. Conference coordinator Nüket Acar, associate director of the WISE Institute, and Diane

Henderson, associate professor of mathematics, created the program to help bridge the interest gap in math and science for young women from middle school to high school and eventually into college.

For a brochure, registration form or information on WISE programs, call Katie Rung at (814) 865-3342 or e-mail cxgl@psu.edu.

Deadline for registration is Monday, Nov. 5.

Planned Parenthood president to discuss rights

Gloria Feldt, president of Planned Parenthood Federation of America, will present "The Politics of Reproductive Rights: Why are we Still Fighting?" at 7:30 p.m. Tuesday,

Oct. 30, in Heritage Hall in the HUB-Roberson Center, University Park.

Feldt's talk is free to the public. For information, call (814) 863-4025.



News in Brief

Portland, Zimmerman to spearhead fund-raising

Lady Lions Basketball Coach Rene Portland will serve as honorary chair for the Public Broadcasting Campaign and central Pennsylvania community leader Jane W. Zimmerman has been named volunteer chair of the Public Broadcasting Campaign Committee.

Portland and Zimmerman will spearhead the fund-raising campaign to expand broadcast and production capabilities for Penn State Public Broadcasting that will enable the station to provide new programs and outreach initiatives that connect local public radio, television and the Internet. The expanded services are part of a federal mandate to convert national public television stations to digital technology by 2003.

Public Broadcasting plans to raise \$2 million by June 30, 2003, to match state and federal funds that already have been allocated for this initiative.

Silent auction planned

The Office of Undergraduate Education is sponsoring a silent auction to benefit the Centre County United Way.

Auction merchandise includes a football autographed by Joe Paterno as well as items donated by local merchants. Bids will be accepted online through noon Friday, Oct. 26.

To view and bid on auction items, check the Web at <http://blue.u.e.psu.edu/psu/uwoy/index.htm>.

Policy document on Web

Students and employees recently received the publication *Policies, Safety and U*, which contains information about campus safety measures and reports statistics about crime in the University community.

It also describes efforts to combat alcohol and drug use.

The document, which is a publication of Student Affairs, Finance and Business, and Human Resources, is sent annually in compliance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, the College and University Security Information Act, and the Drug Free Schools and Campuses Act.

Reports for any of the University's campus locations except Penn College can be viewed at <http://www.psu.edu/dept/police/CrimeStats.htm>.

Study subjects sought

A study linking movement and attention in children with Attention Deficit Hyperactivity Disorder is seeking ADHD subjects ages 7 to 9. Conducted at the Child Study Center on the University Park campus, it involves examining the attention and



Kate Dailey, a senior Penn State Lion Ambassador, lit candles in preparation for the annual Lantern Night evening tour of the University Park campus. Participants learn the history and traditions of the University.

Photo: Greg Grieco

movement of child while seated watching a video. The session takes about an hour and families will be reimbursed \$50. For information, call (814) 863-5656 and ask about Multiple Channels of Attention Study.

New directory database

The University Libraries announce a new comprehensive faculty and staff directory database at <http://apps.libraries.psu.edu/emgmt/index.cfm>

The searchable site can be used to

locate libraries at 23 University locations.

This directory is a joint effort of the Libraries' Department of Information Technologies, Human Resources and Public Relations and Marketing. For information, call the Department of Public Relations and Marketing at (814) 865-0401.

For the Record

Mallory McClure Mitchell was misidentified in a photo caption on page 6 of the Oct. 18 Intercom. She is the person on the left in the photo.

Professional program will hone staff skills

The Human Resource Development Center is soliciting nominations for a new professional development program that focuses on enhancing the comprehensive skills of University administrative and staff assistants.

The Office Professional Certificate, which will be offered for the first time in the spring, is the initial program in a broader curriculum called Office Professional Excellence.

Comprehensive information gathered from several sources guided development of the program. Data from a benchmarking study of similar programs, several focus groups, a systematic analysis of administrative and staff assistant duties, and feedback from participants were considered when structuring the curriculum. As a result, five critical competency areas emerged to define the structure for the Office Professional Excellence. They include communications, teamwork and diversity, professional excellence, office technology, customer service, and University goals and operations.

The Office Professional Certificate program includes 10 half-day seminars. Each seminar emphasizes skills, resources and timesaving tools to foster stronger achievement in attaining unit priorities. The learning activities include interactive scenarios, small group discussions, a self-directed office technology portfolio and an individual project that will directly relate to the participant's work unit.

Successful completion of this course will qualify an administrative and staff assistant for the equivalent of six months of work and/or education experience when bidding on open positions. The University central administration is supporting the cost of the program so that the total fee for the department is \$325 per participant.

Nominations for the first offering of the Office Professional Certificate are being solicited from University Park deans and executives. To continue to foster understanding and respect across organizational areas, participants will be selected in a manner that ensures a diverse mix of participants in each section of the curriculum. Selection of participants is not based on performance in the workplace. There are 30 seats available for the initial offering. Subsequent offerings of the Office Professional Certificate will be offered to all campuses.

For information, call David Filiz at (814) 863-4614, email drp11@psu.edu, or call Kimberly Ensign at (814) 863-3304, email kac12@psu.edu.



Arts & Entertainment

OURS...to fight for



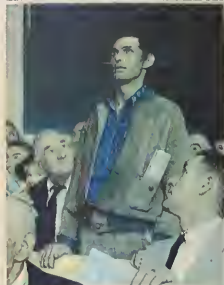
FREEDOM FROM FEAR

OURS...to fight for



FREEDOM FROM WANT

SAVE FREEDOM OF SPEECH



BUY WAR BONDS



The Four Freedoms posters, inspired by President Franklin D. Roosevelt's State of the Union address on Jan. 6, 1941, were painted by Norman Rockwell. Reprints of all four of the posters are currently hanging in the lobby of the University Libraries' Social Sciences Library, second floor Paterno Library on the University Park campus

Fuel, heavy metal set to ignite at BJC

The rafters will be shaking when alternative rockers Fuel and a heavy metal festival both hit the stage in November.

Fuel will ignite fans with a show at 7:30 p.m. Thursday, Nov. 29, at The Bryce Jordan Center on the University Park campus. Sevendust and Nonpoint will open the show.

Reserved tickets and general admission (main floor only) tickets cost \$26.50.

Fuel's debut full-length CD, "Sunburn," appeared in 1998 and its second CD, "Something Like Human," was recently certified platinum.

The inaugural metal festival has rescheduled its performance date to 6:30 p.m. Friday, Nov. 2, at The Bryce Jordan Center.

Headlined by Slipknot and System of a

BRYCE JORDAN CENTER

Down, the tour now features the hard-core quintet from Chicago, No One, Minneapolis-based shock-rock American Head Charge will open the show.

Rammstein and Mudvayne were on the original line-up and are no longer part of the tour.

Reserved tickets cost \$37.

Tickets are available at The Bryce Jordan Ticket Center, Eisenhower Auditorium, select Uni-Marts, Commonwealth Campus ticket outlets, by phone at (814) 865-5555 and (800) 863-3336, or online at <http://www.bjc.psu.edu>.

Chamber Orchestra to perform

The Academy of St. Martin in the Fields, a chamber orchestra, will perform for the first time in more than a decade at 7:30 p.m. Thursday, Nov. 1, in Eisenhower Auditorium on the University Park campus.

Section one and two prices are \$32 and \$22 for general audience members; \$27 and \$19 for students; \$17 and \$9 for University Park students; and \$10 and \$6 for children 12 and younger. For information, call (814) 863-0255 or (800) 278-7849, or visit <http://www.cpa.psu.edu> on the Web.

Artistic Viewpoints is offered in the Eisenhower Auditorium Conference Room one hour before the performances.

Wadaiko Yamato drummers

From the ancient city of Nara, birthplace of Japanese culture, comes Wadaiko Yamato, a new-age taiko drum ensemble that includes male and female percussionists. The Center for the Performing Arts presents the Wadaiko Yamato Drummers of Japan at 7:30 p.m. Wednesday, Nov. 7, in Eisenhower Auditorium on the University Park campus. Artistic Viewpoints is

offered in the Eisenhower Auditorium Conference Room one hour before the performance.

Prices for the event are \$25 for general audience members; \$20 for students; \$10 for University Park students; and \$13 for children 12 and younger. For tickets, group sales or information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849. For more information, check the Web at <http://www.cpa.psu.edu>.

German exhibit

An exhibit, titled "German-American Crosscurrents at Penn State: Celebrating a Century," runs through Jan. 3 in the Eberly Family Special Collections Library, 104 Paterno Library, University Park.

The exhibit honors the 100th anniversary of the University's Department of German. It includes a rare Amsterdam imprint of William Penn's 1681 pamphlet that invites members of the Pietistic sects of Germany to settle in Pennsylvania.

For information, call Sandra Stelts at (814) 863-5388 or e-mail sksp@psu.edu.

National grant awarded to Palmer Museum of Art

The Palmer Museum of Art has received a \$112,500 general operating support grant from the Institute of Museum and Library Services.

Funds awarded through the grant will allow the museum to continue its level of service to the University and community audiences. Jan Muhlert, director, said the grant will be used to help the museum expand its outreach efforts in several areas, including equipping a new works on paper study room to make the museum's collection of prints, drawings and photographs more readily accessible to visitors of all ages. The library also will be able to update the collection database, add images and put it online.

The institute recognized the museum not only for the strength, diversity and caliber of its collections and exhibitions, but also for its commitment to education and outreach to the University and area communities. Reviewers were impressed by the number of area schoolchildren who visit the Palmer Museum — more than 2,100 last year alone — and they specifically commended the museum for the connections it has forged with other University departments.

For information about the Palmer Museum of Art, go to <http://www.psu.edu/dept/palmermuseum/>. For information about the institute, go to <http://www.ims.gov/>.

PARTINGS

Stanley A. Kochanek, professor emeritus of political science in College of the Liberal Arts, from Sept. 1, 1963, to July 3.

Raja V. Ramani, professor emeritus of mining and geoenvironment in College of Earth and Mineral Sciences, from Aug. 1, 1970, to July 10.

Calyampudi R. Rao, Eberly professor emeritus in Eberly College of Education, from Aug. 16, 1988, to July 1.

Larry D. Spence, associate professor emeritus of political science in College of the Liberal Arts, from Sept. 1, 1970, to June 30.



University Park Calendar

October 26 - November 4

SPECIAL EVENTS

Friday, October 26

"Drawings by John F. Kensett," gallery talk by Julia Dolan, noon, Palmer Museum of Art.

MUSIC

Friday, October 26

Student recital, featuring Kyle Schuyler, trombone, 8 p.m., Recital Hall, Music I.

Saturday, October 27

Student recital, featuring Madeline Bala, saxophone, and Aaron McKinney, trombone, 8 p.m., Recital Hall, Music I.

Sunday, October 28

"Essence of Joy," Anthony Leach, director, 4 p.m., Recital Hall, Music I.

Flute studio recital, Eleanor D. Armstrong, director, 7 p.m., Recital Hall, Music I.

Wednesday, October 31

Musica Nova, 8 p.m., Recital Hall, Music I.

Thursday, November 1

"The Academy of St. Martin in the Fields," a chamber orchestra, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Friday, November 2

Slipknot, System of a Down and American Head Charge, 6:30 p.m., The Bryce Jordan Center.

SEMINARS

Friday, October 26

Hanno Sahlmann on a subject to be announced, 11 a.m., 318 Osmond Laboratory.

"Digital Media at Penn State," noon to 1 p.m., 141 Computer.

Amy Glasmeier on "Time Does Not Tell: Path Dependency in a Globalizing World, the Case of the World Watch Industry," 4 p.m., 301 Steidle.

Saturday, October 27

John Nichols on "Cuba and Castro: Today and Tomorrow," 9 a.m., faculty-staff room, The Nittany Lion Inn.

Monday, October 29

Umar Mohideen on "Using Scanning Microscopes for Measuring the Properties of Empty Space and of Materials," noon, 339 Davey Laboratory.

Nancy Marie Brown on "Medieval Icelandic Sagas and Modern Icelandic Realities: The Writing of 'A Good Horse Has No Color,'" 12:40 p.m., 102 Kern.

Cynthia Beall on "Tibetan and Andean Patterns of High-Altitude Adaptation," 4 p.m., Ballroom C, The Nittany Lion Inn.

Tuesday, October 30

Qian Niu on "Berry Phase and Anomalous Quantum Transport," 3:30 p.m., 339 Davey Laboratory.

Lisa Ling, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Gerard 't Hooft on "The Universe of the Elementary Particles," 8 p.m., 117 Osmond Laboratory.

Wednesday, October 31

Sara A. Lettsch on "The Aura of Survivorship:



Ceramics by Ian Stainton are on display in the HUB-Robeson Center on the University Park campus. The exhibit continues through Dec. 6.

Control in the Face of Declining Health Amongst the Oldest-Old," noon to 1 p.m., 108 Wartik Laboratory.

Randall German on "Computer Modeling of Net-Shape Processes," 3:35 p.m., 114 Earth and Engineering Sciences.

Gerard 't Hooft on "The Quantized Black Hole and the Holographic Principle," 4 p.m., 339 Davey Laboratory.

Thursday, November 1

Richard Register on "Block Copolymer Thin Films: Patterns, Patterning and Nanofabrication," 11:15 a.m., 22 Deike.

Thomas E. Mallouk on "Nanowires: Synthesizing the Computer of the Future," 12:15 p.m., S5 Osmond Laboratory.

David R. Johnson on "Conrad Richter: Writing the Life of a Reclusive Man," 4 p.m., 103 Paterno Library.

Carolyn Dinshaw on "Pale Faces," 4 to 6 p.m., The Nittany Lion Inn.

Gerard 't Hooft on "Reductionism and Determinism in Fundamental Physics," 4 p.m., 117 Osmond Laboratory.

Peter Throver on "Fifty Years of Carbon Research and Future Prospects," 4:15 to 5:15 p.m., C231 Coal Utilization Laboratory.

Nancy Tuana and Kenneth M. Weiss on "Academic Integrity, 5:15 to 6:30 p.m., 112 Kern.

Friday, November 2

Gerard 't Hooft on "How Does God Play Dice? (Speculations About Quantum Mechanics at the Planck Scale)," 11 a.m., 318 Osmond Laboratory.

Rena Repetti on "The Daily Effects of Job Stress on Parenting," noon, 102 Weaver.

Patrick Harran on "Diazonamide," 1:15 p.m., S5 Osmond Laboratory.

Tim Dixon on "Tea Leaves in Turmoil: Reading Career Trends in the American Workplace," 2 to 3 p.m., Foster Auditorium, Pattee Library.

Jennifer Adams on "The G.I. Bill and the Changing Geographies of U.S. Higher Education," 4 p.m., 301 Steidle.

EXHIBITS

HUB-Robeson Center

"Heartdreams and Legends: Story of Two Peoples," through Dec. 4.

Ceramics by Ian Stainton, through Dec. 6.

Ceramics by Cheri Yarnell, through Dec. 6.

Ceramic sculpture by Roger Pollok, through Dec. 6.

Kern exhibit area

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," photography by Robin Hoeker, through Dec. 5.

Etchings by Enrica Ruiz, through Dec. 5.

Palmer Museum of Art

"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," through Dec. 16.

"The Poetry of Line: Drawings by Henry Pearson," through Nov. 18.

"American Pastoral: Drawings by John F. Kensett," American Works on Paper Gallery, through Dec. 21.

Pattee and Paterno Library exhibit areas

"German-American Crosscurrents at Penn State: Celebrating a Century," through Jan. 3.

"Fred Waring and Patriotism," through Nov. 23.

Waring Commons

Prints by Rachel Simon, through Dec. 3.

Warnock Commons

Paintings by Kevin Silvka, through Dec. 2.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Nominations & Awards

Award nominations go high-tech

Faculty and Staff Achievement Awards nominations now may be submitted electronically.

Billie S. Willits, assistant vice president for human resources and chair of the committee appointed to review the nominations for the awards, announced the enhancement was developed to take advantage of Web technology and in response to suggestions from both past nominators and committee members.

Nominators and individuals providing support documentation will have the choice of completing online forms or uploading their own documents. Committee members then will have online access to review the nominations, thereby eliminating a huge photocopy task. Visiting the Office of Human Resources Web site at <http://www.ohr.psu.edu/> and following the links on the documents section will provide access to both the new online process and the existing nomination form. The nomination form also is available by contacting the Office of Human Resources at (814) 863-6188.

The 2002 Faculty and Staff Achievement Awards include the Barash Award for Human Services, the McKay Donkin Award, the Award for Administrative Excellence, the Staff Excellence Award, the Staff Support Award and the Dr. James Robinson Equal Opportunity Award.

Six subcommittees will screen nominations and develop recommendations for the respective awards. Nominations are still being accepted, and are encouraged from University

The 2002 Faculty and Staff Achievement Awards include the Barash Awards for Human Services, the McKay Donkin Award, the Award for Administrative Excellence, the Staff Excellence Award, the Staff Support Award and the Dr. James Robinson Equal Opportunity Award.

and local community organizations and individuals.

For information related to the awards and the process, check the Sept. 13 issue of Intercom, visit Intercom Online at http://www.psu.edu/ir/archives/intercom_2001/Sept13/award.html or check the Office of Human Resources Web site at the address listed above.

Nominations not being submitted electronically should be sent to Billie S. Willits, Box 6, Rider Building, University Park. The deadline for submitting nominations is Dec. 3. Earlier submission is encouraged and appreciated. Supporting information which accompanies nominations should be brief and specific to the award criteria.

Nominations sought for engagement award

The University is seeking nominations for the President's Award for Engagement with Students.

The award will be given during the 2001-02 academic year to a faculty member who goes well beyond responsibilities as a professor to engage and encourage students in their learning, demonstrating deep caring and involvement with students' learning. The honoree will have taken specific actions to be involved in student growth and learning—academic, social and professional. Such professors typically make themselves available to, and interact with, students outside class, link students to opportunities and help them build their confidence as learners and potential contributors to society.

The \$5,000 award consists of \$3,000 directly to the recipient and \$2,000 to the professor's department, to be managed by the recipient and used for extending the kinds of activities the award recognizes. These activities could include:

- Holding receptions, lunches or picnics for students;
- Paying for field trips, museum visits or performances for students in classes;
- Purchasing books, software, personal

computing assistants, compact discs or access to portals and databases to enhance student involvement or to improve learning experiences for students;

■ Taking students to participate or present at research meetings, internships, performances and the like;

■ Support for networking with student organizations, for example, for materials that the professor might bring to a student club or association when serving as a speaker or adviser;

■ Bringing speakers from other locations to meet with students or

■ Faculty travel to professional meetings for teaching/learning enhancements.

Each college dean may nominate one person, with the nomination including the name, professional title and a brief statement, not exceeding two pages, stating why the professor qualifies. Nominations should be directed to the vice provost and dean for undergraduate education, 417 Old Main, by Dec. 4. On recommendation of a selection panel, the president will select the honoree by Feb. 1. The recipient of the President's Award will be recognized at the University-wide Spring Awards Luncheon.

Nomination process begins for Kopp awards

Nominations are now being accepted for the 2002 W. LaMar Kopp International Achievement Awards competition.

The awards were established by the University Office of International Programs and the International Council in 1995 to recognize outstanding contributions to the mission of internationalization at Penn State.

Named in honor of retired Deputy Vice-President for International Programs W. LaMar Kopp, the award recognizes a faculty member, a staff member, a graduate student and an undergraduate student for "contributing significantly to the advancement of the international mission of the University." Each award consists of a \$1,000 stipend and a certificate.

This year, Robert Pangborn, associate dean of the College of Engineering and past chair of the University's International Council, chairs the International Achievement Awards selection committee.

Criteria for each award category follow.

Faculty Award

■ Achievement in international education through research, teaching and service.

■ Leadership in improving understanding and exchange between people from different regions of the world; and

■ Commitment to meeting the special needs of student, faculty and/or staff from other countries.

Staff Award

■ Leadership and support for, and/or involvement in, international education, research and service;

■ Facilitating international exchange, cooperation and collaboration of students, faculty and staff; and

■ Commitment to meeting the special

needs of students, faculty, staff or visitors from abroad.

Graduate Student Award

■ Research with a significant international component;

■ Participation in international programs and/or field projects;

■ Teaching with significant international content;

■ Leadership in improving relations among peoples from different regions of the world; and

■ Service to the international community.

Undergraduate Student Award

■ Engaging in an academic course of study with a significant international component;

■ Research with a significant international component;

■ Participation in international programs and/or field projects;

■ Leadership in improving relations among peoples from different regions of the world; and

■ Service to the international community.

The awards will be presented at the University Awards Convocation in the spring and recipients will be honored at the recognition ceremony and reception for the University's International Ambassadors.

The application/nomination deadline is Dec. 12.

Complete guidelines and nomination/application forms for each of the awards can be requested from Terry McGrail in 222 Buecke Building on the University Park campus by calling (814) 865-6348 or e-mailing tlm10@psu.edu. Information can be downloaded from the Web at http://www.international.psu.edu/ipal/awards/kopp/award_kopp_introduction.asp.

Five receive Undergraduate Admissions awards

John J. Romano, vice provost and dean for Enrollment Management and Administration, recently announced the five Undergraduate Admissions award recipients for this year.

Carolyn Johnson, admissions counselor at Penn State Fayette, received the Exemplary Service Award for more than 20 years of exemplary recruitment and retention efforts and excellent customer service.

Cathy Schwab, director of Enrollment Management at Penn State McKeesport, received the Exemplary Service to the Campuses/Colleges Award for consistently providing exemplary service to internal customers.

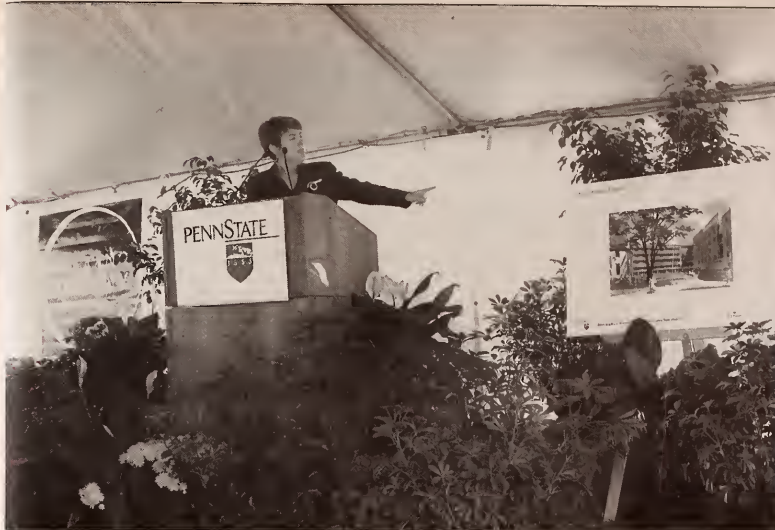
Katie Kough, admissions counselor at Penn State Mont Alto, received the Dianna Archo-Resto Award for her exemplary

sensitivity and responsiveness to a diverse population of students. This award was presented in memory of Dianna Archo-Resto, an admissions counselor who advocated on behalf of underrepresented students.

Barbara Bogue, director of the Women in Engineering Program in the College of Engineering at University Park, received the Outstanding Recruitment and Retention Program Award for her development and implementation of the Women in Engineering Program (WEPO).

Nancy Burns, staff assistant at Penn State New Kensington, received the Staff Assistant Excellence Award for her superior or administrative support to the campus.

For more information on the awards presentation, check the Web at <http://www.psu.edu/dept/admissions/fallcomf>.



Barbara J. Garrison, distinguished professor of chemistry, points to an architect's rendition of the new chemistry building to be constructed on the University Park campus. Ground was broken Oct. 19 for the new building, which will be located along Shortlidge Road near Eisenhower Auditorium.

Photo: Greg Grieco

Ground broken for new chemistry building

In a continuing effort to upgrade facilities and equipment for scientific instruction and research, University officials broke ground on Oct. 19 for a new chemistry building.

The \$62.3 million structure will consolidate the work of the chemistry department, now spread over six buildings across campus, and encourage greater collaboration among students and faculty.

The building, located along Shortlidge Road near Eisenhower Auditorium on the University Park campus, is expected to be completed in fall 2003. The state has committed \$57.3 million, and the University is seeking the remaining \$5 million in private support.

Chemistry was among the first disciplines to be taught at Penn State when the University opened its doors in 1859, and it continues to be central to scholarship in many scientific disciplines, according to Daniel Larson, dean of the Eberly College of Science.

The department enrolls about 310 students at all levels and has about 38 faculty members at the University Park campus.

One wing of the new Chemistry Building will be devoted to synthetic and biological chemistry. The other wing will house physical and analytical chemists — those who use lasers, vacuum chambers and other

large instruments in their work. The department's theoretical chemists will have space throughout the building.

The building also will contain nuclear magnetic resonance and mass spectrometer facilities, a classroom, seminar rooms and administrative offices.

A glass-enclosed walkway and gathering space will span Shortlidge Road to connect the Chemistry Building with the Life Sciences Building, also under construction. The connection symbolizes the interdisciplinary nature of the sciences and aims to encourage greater collaboration and sharing of resources among students and faculty.

PENN STATERS

David Clippinger, assistant professor of English at Penn State Beaver, received the William Bronk Prize, awarded by the William Bronk Foundation of Hebron, N.H. He was recognized for his book about the poet, *The Body of This Life: Reading William Bronk*.

Jingzhi "Jay" Huang, assistant professor of finance in The Smeal College of Business Administration, received a "best paper" honor for his study, "Structural Models of Corporate Bond Pricing: An Empirical Analysis," during the 2001 Financial Management Association annual meeting in Toronto.

Four Penn State Erie faculty members attended the International Federation of Information Processing Conference on e-Commerce, e-Business and e-Government in Zurich, Switzerland. While there, **Ido Millet**, associate professor of management information systems, **Diane Parente**, assistant professor of management, **John Fixel**, professor of economics, and **Ray Venkataraman**, associate professor of management, presented their paper, "Electronic Reverse Auctions: Success Metrics and Dynamics."

Raj Mittra, professor of electrical engineering, was an invited speaker at the International Conference on Electromagnetics and Applications in Torino, Italy. He also participated in a workshop on "Computer-aided Design of Microwave Systems" at the European Microwave Conference in London and presented two invited talks at British Aerospace in Bristol on "Recent Trends in Computational Electromagnetics."

Jennifer Parker Talwar, assistant professor of sociology at Penn State Lehigh Valley, received a Fulbright award for research in India during the 2002-2003 academic year. Talwar will study local owners of American franchise restaurants located in India's biggest cities, aiming to broaden the understanding of globalization processes while examining the relationships between traditional and new entrepreneurial sectors.

OBITUARIES

Eugene K. Barto, horticulture aide in the College of Agricultural Sciences, from Sept. 13, 1962, until his retirement June 28, 1986; died Sept. 19, at the age of 77.

George S. Dixon, janitorial worker in the Office of Physical Plant, from Nov. 12, 1973, until his retirement June 29, 1986; died Oct. 3. He was 81.

Howard E. Dyche, professor emeritus of engineering at Penn State McKeesport, from Sept. 1, 1955, until his retirement July 1, 1978; died June 3, at the age of 85.

W. Taft Frantz, group leader/landscape A in the Office of Physical Plant, from July 1, 1962, until his retirement Jan. 1, 1973; died Oct. 7. He was 92.

Helene G. Manik, food production worker B in Housing and Food Services, from Sept. 13, 1967, until her retirement April 29, 1980; died Sept. 11, at the age of 83.

Lorraine D. Mrackoski, financial aide coordinator at Penn State Wilkes-Barre, from March 6, 1967, until her retirement July 1, 1997; died Oct. 1. She was 54.

H. Keith Owens, mechanical engineer in the College of Engineering, from May 1, 1963, until his retirement Sept. 1, 1984; died Oct. 9, at the age of 79.

Margaret H. Scabiosa, data extraction specialist in the College of Agricultural Sciences, from Aug. 1, 1967, until her retirement June 30, 1982; died Sept. 28. She was 81.

NEW AT PENN STATE

**Nanotechnology Center
offers students degree options**

The new Center for Manufacturing Education in Nanofabrication on the University Park campus will offer Pennsylvania students the opportunity to obtain bachelor's and associate degrees in nanofabrication.

Funded by the National Science Foundation and the state, the center will service students from universities in the state system of higher education, as well as 14 community colleges from around the Commonwealth. Students will have the option of obtaining a bachelor's degree or associate degree in nanofabrication. A key part of this new center is the Penn State Nanofabrication Facility.

Students will enroll in nanofabrication programs and take classes at their respective institutions. The students will then come to the Penn State Nanofabrication Facility for their "capstone semester," 18 credits of intensive work in the facility's advanced clean rooms and laboratories before graduating from their "home" institution.

The new center builds on an already strong history of nanotechnology work at the University. The Nanofabrication Facility, which is part of the College of Engineering, was originally started in 1994 as one of five charter NSF National Nanofabrication Users Network sites which serve as a resource for academics and industry researchers.

In addition to the associate degree program, the Nanofabrication Facility runs professional development workshops for faculty, secondary school teachers and industry personnel from around the state, and summer "chip camps" for middle- and high-school students.

Officials say they hope to have the baccalaureate programs in place by next year.

BOOK SHELF

Jon P. Nelson, professor of economics, Department of Economics, *Advertising and Differentiated Products*, volume 10 in the series "Advances in Applied Microeconomics," JAI Press.

Michael R. Baye of the Department of Business Economics and Public Policy at Indiana University in Bloomington co-edited this book with Nelson. The volume contains 11 chapters, which cover theoretical and empirical contributions. Four chapters examine theoretical models of incomplete information, product innovations in services, generic advertising and brand loyalty and price competition. The seven empirical chapters examine both advertising and product differentiation, including generic advertising, advertising bans and the First Amendment, alcoholic beverage advertising, magazine advertising and news stand circulation, product variety in radio broadcasting, mandated exclusive territories and pricing dynamics in the retail sector.

John Paul Rossi, associate professor of history at Penn State Erie.

Entrepreneurship and Innovation in Automobile Insurance: Samuel P. Black Jr. and the Rise of Erie Insurance, 1923-1981, Routledge.

Rossi collaborated with Black, a retired executive and director emeritus of the Erie Insurance Group, to write a book that examines the parallel rise of the automobile and the automobile insurance industry.

Trail treat



Kat Rudolph, environmental educator, touches up the Halloween wall for the Children's Halloween Trail and Festival at the Shaver's Creek Environmental Center. The event, featuring crafts, food and storytelling, is 11 a.m. to 4 p.m. Saturday and Sunday, Oct. 27 and 28. For information, tickets and reservations, call (814) 863-2000.

Photo: Greg Grieco

PRIVATE GIVING

Undergraduate students to benefit from new scholarships

Four undergraduates are the first students to benefit from a scholarship fund recently endowed by alumnus John K. Tsui of Honolulu.

The John Tsui Scholarships were created with a \$130,000 gift from the donor to encourage diversity in the student body, with first preference for the awards going to Asian-Americans. They are awarded on the basis of academic accomplishments and financial need.

The students and their majors are: Nhan Fong, a senior from Norristown, electrical engineering; Ji Kim, a sophomore from Dresher, information science and technology;

Dieuthi Tran, a freshman from Pennsauken, N.J., business administration; and Cathy Wang, a junior from Flushing, N.Y., finance and international business.

John Tsui is vice chairman of Honolulu-based BancWest Corp. BancWest is the parent company of Bank of the West and First Hawaiian Bank, which together have branches in six Western states as well as in Hawaii, Guam, Saipan and Tokyo. Tsui graduated from Penn State in 1960 with a bachelor's degree in business administration and early in his banking career served as an executive with Philadelphia National Bank and Bank of New York.

APPOINTMENTS

Fellowship recognizes Trolter-McKinstry's work in electroceramic materials research

Susan Trolter-McKinstry, associate professor of ceramic science in the Department of Materials Science and Engineering, has been named the Corning Faculty Fellow of Ceramic Science and Engineering in recognition of her contributions in electroceramic materials research and education.

This fellowship provides funds to an outstanding member of the ceramic science and engineering faculty to assist in teaching, research and public service.

Trolter-McKinstry received her doctorate in ceramic science from Penn State in 1992 and joined the University as an assistant professor of ceramic science and



Susan Trolter-McKinstry

engineering that same year. Since then, she has been honored with the National Science Foundation CAREER Award (1995), the Penn State "Achieving Women Award" (2000) and the Wilson Teaching Award for Young Scholars from the College of Earth and Mineral Sciences (2000). She also was awarded the Robert Coble Award of the American Ceramic Society (2000) for her critical work in the area of ferroelectric films.

Her research interests include electroceramic materials, ferroelectrics, structure-microstructure-property relations in thin films and spectroscopic ellipsometry.



Focus on Research

Early struggles in vocabulary development can hamper economically disadvantaged children

By PAUL BLAUM
Public Information

When socioeconomically deprived children fall behind in spoken vocabulary development during their first three years of life, they are very likely to have lifelong struggles in all their studies in school.

Even current early intervention programs such as Head Start may not be enough to close this learning gap, a University researcher said.

"Those children in our society who grow up in poverty or near poverty are adversely affected by their mother's own vocabulary deficit during their earliest years when they are learning to speak at home," according to George Farkas, professor of sociology. "Social class differences in vocabulary growth emerge at the very earliest ages among both black and white Americans, and they attain a substantial magnitude by 36 months of age."

"These social class differences widen during the fourth and fifth years of life, although this occurs more strongly among African-Americans than among whites. Half of the social class differences in vocabulary growth rates can be traced to the differences in family linguistic instruction provided by mothers of varying social classes."

By the time children reach age 6 and the first grade, they are learning to read, and from that point their vocabulary development, regardless of class or race, proceeds roughly at the same pace. Unfortunately for disadvantaged children, their earlier deficiencies in vocabulary learning will continue to have long-term repercussions in their teenage years, especially in the areas of vocabulary, reading and mathematics.

In adult years, the consequences are often low-skill and poorly paid jobs that per-



Researcher George Farkas, professor of sociology, has studied the vocabulary development of economically disadvantaged children. Those that fall behind often struggle to catch up, he said.

Photo: Greg Gileco

petuate the cycle of poverty, according to Farkas, a faculty associate with the Population Research Institute. Kurt Beron of the School of Social Sciences collaborated on the research.

Between 1986 and 1996, data were collected from several thousand children between the ages of 3 and 14, including the Peabody Picture Vocabulary Test, comprised of 175 increasingly difficult words. The tester read the word to the child, who then pointed to one of the 4 pictures that best described its meaning. When the child failed to identify six out of eight consecutive items, the test ended, and the child was assigned a score or "ceiling."

"By analyzing these data according to the

child's month of age, beginning at 36 months, we were able to examine the trajectory of oral vocabulary growth by social class in unprecedented detail," Farkas noted.

The researchers also compared the child's progress in vocabulary development with the mother's skills and habits of vocabulary and speech.

"It is not enough that the mother herself have a good vocabulary," the researcher said. "It is also necessary for mothers to teach letters to their babies, talk out loud to them and read books to them regularly and consistently."

Paul Blaum can be reached at
pblaum@psu.edu.

College degree not a guarantee of success

By PAUL BLAUM
Public Information

Without realistic career goals and planning, a college degree may not lead to automatic job success or satisfaction, a University educator said.

"In the 1960s, a university degree by itself was a virtual guarantee of access to professional and managerial employment," said Kenneth C. Gray, professor of vocational education. "Unfortunately, for today's generation of young people, this is no longer true, because now there are more four-year college graduates than there is commensurate employment. Ironically, a number of good-paying, prestigious jobs are still available that do not require a college degree but which continue to go begging."

Gray notes that many high schoolers, even those who dislike formal studies, opt for college because they don't know what else to do with their lives.

According to the U.S. Bureau of Labor Statistics, out of 2.8 million high school graduates in 1997, 67 percent were enrolled. But, while college enrollments have reached unprecedented levels, so have college dropout rates, not to mention the number of remedial classes needed to keep marginal students in the classroom.

"The sad fact is that only 25 percent of college students graduate on time, get through school without the need for remedial courses and find employment that matches the level and type of education pursued," said Gray, author of "Getting Real: Helping Teens Find Their Future," published by Corwin Press.

Two out of three college students withdraw at least once before they finish school, and more than one-half will need six years to graduate. Out of all arts and humanities graduates, only one third will find employment in line with their academic experience. For all graduates, regardless of major, the figure is one-half.

"Teens have two choices. They can let fate and labor market Darwinism decide their future, or they can be proactive and plan for success," Gray pointed out.

Parents should encourage teenagers to look long and hard at their prospects, size up reality and plan their post-high school lives accordingly. High school students, especially those less confident or focused, have to be taught to balance hopes and aspirations with talents and opportunities, Gray said. Teens have to ask themselves where they want to go in terms of a career, and then ask themselves if college is the best vehicle to take them there as opposed to a technical school and apprenticeship program or even the military.

Paul Blaum can be reached at
pblaum@psu.edu.

Marine methane consumed by consortia of bacteria

Methane-consuming archaeobacteria and sulfate-reducing bacteria, acting together, are responsible for consuming most of the methane in the world's oceans, according to a team of microbiologists and geoscientists.

"Past research had shown that there is a consortium of these two very different single-celled organisms, and indirect tests indicated they might be the source of methane consumption," said Christopher H. House, assistant professor of geosciences. "We decided to directly test if these organisms are responsible."

Research team members Victoria J. Orphan, graduate student, and Edward F. Delong, chair of the science department at

Monterey Bay Aquarium Research Institute, were responsible for identifying the organisms in the consortia.

House and Orphan, working with Kevin D. McKeegan, professor of Earth and Space Sciences, University of California, Los Angeles, employed an ion probe that uses cesium ions focused on a very small spot to slowly erode the cells for study. The probe allowed samples of the carbon from the consortia to be tested, beginning with the outer cells and then tunneling toward the middle of the clump.

Carbon isotopes were the component of interest because the percentages of different carbon isotopes found in living tissue relates

directly to what the organism eats. If a bacteria eats food depleted in carbon 13, then the bacteria will be depleted in carbon 13. Methane is very depleted in carbon 13 so a carbon signature low in carbon 13 would indicate the bacteria ate methane.

To confirm their findings, Kai-Uwe Hinrichs, assistant scientist at Woods Hole Oceanographic Institute, tested the lipids in the bacteria and obtained a similar carbon isotope signature.

Marine methane is produced by archaeobacteria in the absence of oxygen, usually in the marine sediments. About 80 percent of this methane is consumed in the ocean and never enters the atmosphere.



Department of Public Information
312 Old Main, University Park,
PA 16802

Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Searching for solutions



The Oct. 17 campus/community session of the Public Issues Forums of Centre County dealt with dangerous drinking and was attended by more than 100 people interested in addressing the possibilities for demanding citizen responsibility, treating the public health epidemic and educating for societal change. The event was presented in the HUB-Robeson Center on the University Park campus by State College Area School District Community Education in association with the Centre *Daily Times*. **Above**, Bill Asbury, left, vice president for student affairs, was seated with Isaiah J. Poole, opinion page editor of the Centre *Daily Times*, at the start of the forum. **At right**, participants were shown a video on drinking before they broke into smaller groups for discussions. **Below**, Suzanna Kerlin, chair of the steering committee for the Centre County Public Issues Forum, registers student Kate Yanuzzi for the discussion.

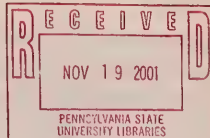
Photos: Greg Orsco





Intercom

INFORMING THE PENN STATE COMMUNITY



NOVEMBER 1, 2001

HIGHLIGHTING FACULTY ACHIEVEMENT

Teaching and research evolve for professor of biology

By CELENA E. KUSCH
Teaching and Learning Consortium

Professor Richard Cyr's research on plant cell biology has been funded by such leading agencies as NASA, the U.S. Department of Energy and the U.S. Department of Agriculture.

But, even while exploring new avenues for research, applications for teaching are never far from Cyr's mind.

"I view teaching and research as an integrated effort," explained Cyr, professor of biology and assistant department head for Undergraduate Affairs. "I try to bring research into the classroom whenever I can.

It helps the students see that there are various reasons and applications for learning the materials presented in the class."

Cyr offered an example of this productive integration of teaching and research from his involvement with the Defense Threat Reduction Agency. Recently, Cyr was invited to a meeting sponsored by the agency to

gather information from the nation's leading scientists about the use of plants to detect minefields left over from conflicts. The questions they raised about whether and how plants might respond to trace chemicals to indicate minefields that need to be cleared

Faculty, page 3

University plugs into wind power

By PAUL RUSKIN
Office of Physical Plant

Demonstrating their commitment to renewable energy resources and the environment, the University signed a contract with Community Energy Inc. (CEI), a renewable energy marketing firm, to purchase 5 percent of University Park's electrical needs from wind energy over the next five years.

On "Wind Energy Week" as proclaimed by Gov. Mark Schweiker, this landmark pledge establishes Penn State as a national leader in wind energy, joining The University of Pennsylvania and Carnegie Mellon University. By purchasing 13.2 million kilowatt hours (kWh) annually — or the energy output of more than three, 215-foot-tall windmills — the University will become the second-largest user of retail wind energy in the United States.

Three turbines were dedicated to the University at the Exelon-Community Energy Somerset Wind Farm, visible from the Pennsylvania Turnpike south-east of Pittsburgh. The two new, state-of-the-art wind farms are stretched on ridges in Somerset and Mill Run, rural towns in Pennsylvania's Allegheny Mountains.

The three 'Penn State University tur-



Wind power will provide 5 percent of the energy needs on the University Park campus over the next five years, thanks to an agreement with Community Energy Inc.

Photo: Paul Ruskin

Faculty Senate honors its outgoing leader

By GARY W. CRAMER
Public Information

Judging by the reactions of his University colleagues last week, George Bugyi's retirement from Penn State signifies not so much the loss of a longtime Faculty Senate stalwart and community volunteer as the gain of an ongoing role model for others.

Having stepped down from his post in July following 18 years of service, Bugyi was honored at the Oct. 23 Faculty Sen-

Senate, page 2

Gnage named CEO of Penn State Mont Alto

David C. Gnage, interim dean at Arizona International College of the University of Arizona, has been named campus executive officer of Penn State Mont Alto, effective Jan. 14. The position came open when David Goldenberg announced his departure in March. William Curley has been serving as interim dean, and will continue in that role until Gnage arrives. At that time, Curley will resume his former role as senior director of Continuing Education.

In his current role, Gnage is responsi-

Mont Alto, page 2

Senate

Continued from page 1

ate meeting when a resolution was unanimously passed recommending executive secretary emeritus status be given to him. Among other functions, the Senate is the sole legislative body representing the University faculty as a whole, and the executive secretary manages the Senate's office.

"It's a big moment, not only for the Senate, but for the University," Senate chair John Nichols said of the designation. "If you believe, as I do, that an effective Senate is essential to shared governance, and therefore to academic quality, then George, in his service, is one of the most important and influential academicians in the past two decades of the Penn State faculty."

Bugyi joined Penn State at the Mont Alto campus in 1969. His activities there included teaching kinesiology, introducing new health and physical education courses, coaching soccer and wrestling, and serving as the campus' representative to the overall Faculty Senate. In 1983, he came to the University Park campus to take the position in the Faculty Senate that became his career focus.

While performing the myriad organizational duties of executive secretary, he continued to research and publish as a faculty member of the College of Health and Human Development, and helped launch such initiatives as the Faculty Staff Club, which he presided over at one time, and the Penn State Forum speaker series, for which he chairs the steering committee. He also has shared with the University Access Committee, for Affirmative Action Office and with the Senate Committee on Intercollegiate Athletics.

"As the resolution of the Faculty Senate stated, George has distinguished himself through wise decision-making and judicious counsel, and has been very generous with his time and expertise," President Graham B. Spanier said. "People throughout the entire University have benefited greatly from having such a loyal and knowledgeable friend working, both up front and behind the scenes, on their behalf for such a noteworthy stretch of time."

A letter from Spanier and a certificate of emeritus status both were presented to Bugyi



George Bugyi served as executive secretary of the Faculty Senate since 1988. He recently retired from the University with emeritus rank.

Photo: Greg Grieco

on the floor of the Senate by Rod Erickson, executive vice president and provost of the University, following passage of the resolution.

"Many of the resolutions that come to the floor in the last 18 years, I wrote," said Bugyi. "But none of them were written this beautifully and meant this much to me. Thank you for letting me be your colleague for the last 32 years."

Bugyi was the 1999 recipient of the University's Barash Award for Human Service for his contributions beyond his assigned duties to human causes, public service activities and organizations for the welfare of fellow humans with such groups as the American Red Cross, Rotary, Easter Seal Society, United Way and the Marine Corps League. In 1998, he received the University's McKay Donkin Award for his contributions to economic, physical, mental and social welfare of the faculty. He also received the 1997 Faculty Asso-

ciate Award from the Office of Student Affairs.

Active at the local, state and national levels with the American Red Cross, he has taught first aid and cardiopulmonary resuscitation (CPR), as well as trained other instructors. In 1998, the organization's Centre Communities Chapter, for which he has been chairman of the board, named him Volunteer of the Year. He also has earned leadership and lifetime service awards for his efforts, and was an adviser to the Penn State Red Cross Student Service Organization.

For the United Way, Bugyi has served on the board of directors of the Centre County chapter, as a corporate solicitations volunteer and as a member of the Penn State United Way Steering Committee. Earlier this year, he received the Marine Corps League's Distinguished Service Award.

Gary Cramer can be reached at guc104@psu.edu.

Mont Alto

Continued from page 1

ble for academic leadership, including the development and oversight of academic and administrative functions and strategic planning. He served as vice dean from 1998 to 2001, and was responsible for fiscal and enrollment management, academic and student assessment, and facilities development. From 1995 to 1998, Gnage served as senior officer for finance and administration. He also held the position of professor of statistics and research methods during his tenure.

Before assuming positions at Arizona International College, Gnage served as dean for business affairs at Broward Community College in Fort Lauderdale, Fla., from 1989 to 1995. He was responsible for all fiscal and administrative support functions on a campus of 9,000 students, and oversaw \$30 million in construction projects. In addition, he developed the campus strategic planning process and the capital improvement master plan for the five-campus district. From 1982 to 1989, Gnage served as registrar and director of enrollment management for the college.

He began his higher education career at the Genesee Community College in Batavia, N.Y., as associate professor of mathematics from 1968 to 1974. From 1974 to 1982 he served as director of academic services and registrar, and received the State University of New York Chancellor's Award for Outstanding Administrative Services.

Gnage received his bachelor's degree in education and master's degree in mathematics from the State University College at Brockport, N.Y. He received his MBA from the State University of New York and his doctorate from Florida Atlantic University in public administration.

Wind power

Continued from page 1

bines' will supply 13.2 million kWh of the annual electrical needs of the University Park campus. The wind farm's sixteen, 215-foot-tall turbines cover only 5 percent of the two agricultural farms. The 112-foot blades span almost halfway down the height of the towers and will operate when the wind exceeds 6.7 miles per hour. Six windmills stand on Somerset and 10 at Mill Run.

This purchase of New Wind Energy has zero emissions associated with it. Compared to the average electric generation in

the Mid-Atlantic Region, 4,644 tons of coal and about 7,914 tons of carbon dioxide emissions will be saved annually, which has the equivalent carbon dioxide benefits of taking 1,130 cars off the road or planting 2,152 acres of trees.

By taking part in this pioneering effort, the University helps to support the developing infrastructure for wind energy while raising the standard for environmental stewardship in Pennsylvania. The price of wind energy has dropped 80 percent since 1980 and today is increasingly affordable.

This step not only makes environmental sense, but supports the emerging Pennsylvania wind-energy industry that has many rural economic development benefits as well. These wind farms provide steady, sustainable income for farmers, add to the tax base and provide short-term construction jobs followed by permanent operations and maintenance positions.

Wind energy is the world's fastest growing form of electricity generation, meeting the growing demand for clean, renewable energy. Wind turbines generate electricity

with no emissions and no fuel at prices 2 to 3 cents per kWh above current generation costs. In addition to the environmental benefits, wind generation can offer stable 20-year prices because it is not subject to fuel price risks. Many analysts have pinpointed short-term contracts and skyrocketing fuel prices as key components to the dramatic collapse of electricity deregulation in California.

Paul Ruskin can be reached at pd2@psu.edu

Faculty

Continued from page 1

have prompted Cyr to propose a new undergraduate education and research program.

According to Cyr, the development of plants as chemical sentinels is promising, but significant investigation into the basic science of plant response is required to begin to answer these questions. While these questions are extremely important, Cyr noted, they do not, at this time, lead to the kind of project that can produce results for graduate student researchers. The experiments can, however, form the basis for effective undergraduate research, Cyr said. He is currently working to develop the Penn State Biosentinels project in which undergraduates will study the basic ways plants respond to chemical traces in their environments.

John Harwood, senior director of the Center for Education Technology Services, called Cyr's approach to teaching through undergraduate research innovative.

"Richard has been recognized as an exemplary teacher, but he also is an innovator," Harwood said. "Nothing in his job description says that he has to be an innovator, but he has motivated a team of graduate students and faculty to support real innovation in teaching in the Department of Biology."

Cyr's first innovations were in leading the redesign of the biology curriculum. In 1996, Cyr was awarded the George W. Atherton Award for Excellence in Teaching partly in recognition of this work.

Beyond improving biology instruction, his current teaching project with the introductory biology course, BIO110, also offers a significant contribution to research on the ways students learn.

BIO110 reaches approximately 900 undergraduates at University Park each semester. Inspired by a colleague from another university, Cyr developed several computer-based teaching modules to support instruction in the course. The modules covered the same materials as the lectures, but in a different and more interactive form. Instead of attending lectures, students answered questions online and completed "firewall" problems to guide their progress through the materials.

After two semesters of tutorial trials, Cyr found that students who completed the tutorials out of class and engaged in follow-up question-and-answer sessions with instructors performed significantly better than students who attended lecture.

Cyr's initial findings led to greater innovation throughout the BIO110 course. Working in partnership with Harwood, Cyr began to make major technology enhancements to improve student learning. Last year, the project received a \$450,000 grant from the Andrew W. Mellon Foundation to study the impact of technology on student performance and the efficiency of using technology to improve learning outcomes.

In the Mellon-funded project, Cyr works

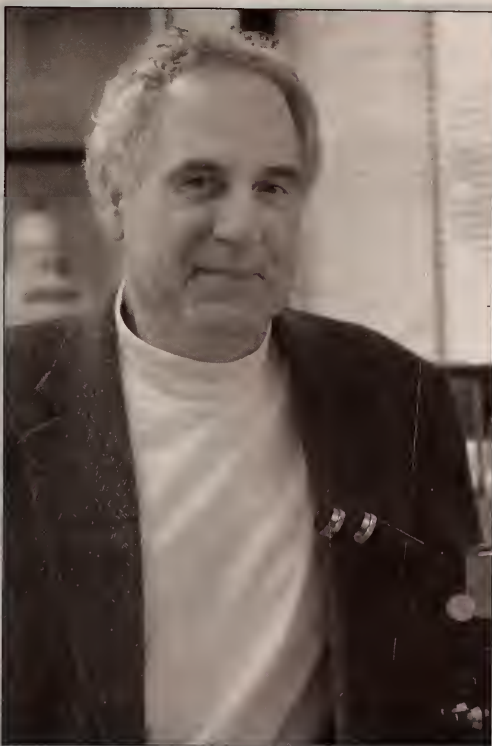


Photo: Greg Grieco

■ **Who:** Richard J. Cyr, professor of biology and assistant department head for Undergraduate Affairs

■ **Begin teaching at Penn State:** 1989

■ **Research interests:** Plant cell biology, plant cytoskeleton in growth and development, and biochemical characterization of the cytoskeleton

■ **Teaching awards:** 1996 George W. Atherton Award for Excellence in Teaching

■ **Family:** Married with children

■ **Hobbies:** Old car restoration and gardening

with a team of six BIO110 instructors, 27 teaching assistants and members of the Center for Education Technology Services. Biology graduate student and teaching assistant Nelson Hayes has developed all of the programming for the online materials.

To date, the group has developed 41 online modules for use both in the tutorial course format and in modified versions as supplemental materials for students who attend the lecture classes. The advanced

graphical elements from the tutorials also have been used to enrich the lectures. Ironically, the effect of these developments has been that the initial gap between lecture and tutorial has begun to even out, with both lecture and tutorial students achieving higher levels of success.

One of the most interesting findings, Cyr pointed out, is that class size does not seem to matter in this course. Comparing classes ranging from 75 to 225 students revealed no

Consortium sponsors award honoring faculty

The Teaching and Learning Consortium is sponsoring an award to recognize faculty who have had a significant impact on student learning over a sustained period.

Criteria for the award are:

■ a long-term and sustained positive impact on student learning;

■ being well-rounded in accomplishments as a University faculty member including outstanding records in teaching, research and scholarship;

■ reflecting implementation of new and innovative teaching methods such as active learning, special use of technology, problem-based learning, use of case studies, service learning, learning assessment and others;

■ reflecting special contributions to the learning community such as leading workshops and giving presentations to faculty on teaching methods;

■ publishing papers on pedagogy or textbooks in his/her discipline, and special development and use of technology for supporting teaching; and

■ faculty receiving this award would likely have received significant University and professional society awards recognizing teaching in the past.

The TLC Planning Team will review candidates for this award and make the selections. Awards will be made throughout the year and the recipients will be recognized by feature articles in the *Intercom* and other publications. Recognition also will be made at the annual meeting of Colloquy.

Submit suggestions for candidates to Gwynne Kinley by e-mailing gdk10@psu.edu along with a brief description of their background. Submissions may be made at any time.

significant difference so far in student performance or satisfaction.

"It's not class size, but how you teach that makes the difference," Cyr said.

The computer-based modules also provide valuable teaching resources. Instructors may access individual usage logs and records of performance on tutorial problems and reviews. Instructors and teaching assistants can then correlate these records with classroom attendance, time spent online and test results to help them advise students about how to improve.

"You never go wrong if you look at teaching from a student's point of view. Richard Cyr is one of the greatest teachers at Penn State because he always is asking what we can do out of class to have students spend more time reading, thinking and talking about biology," Harwood said. "If we had two or three of Richard in every college at the University, it would be wonderful."

Celena E. Kusch can be reached at ck33@psu.edu



Lectures

Journalists to celebrate their cultural heritage

Journalists Marie Arana, editor of *The Washington Post Book World*, and Doreen Yellow Bird, a community journalist and columnist for the *Grand Forks (N.D.) Herald*, will visit the University Park campus this month to present free public lectures and work with students as part of celebrations for Cultural Heritage Month.

Yellow Bird will present "Writing from a Native American Perspective in a Community Where Few American Indians are Present" from 6 to 9:30 p.m. Friday, Nov. 2, in Carnegie Cinema (113 Carnegie Building). Her newspaper work includes a mix of general assignment work as well as a bi-weekly column and some editorial writing. She has written several short stories and is nearing the completion of a historical nar-

rative of the Sahnish (Arikara) people. She is a regular contributing writer for the *American Indian College Journal* and *National Progressive Media Wire*.

Arana will present "American Chica: Two Worlds, One Childhood" from 6 to 9:30 p.m. Friday, Nov. 16, in Carnegie Cinema. Along with her work as editor of *The Washington Post Book World*, she has written numerous feature articles for the *Post*. In addition, she wrote *American Chica: Two Worlds, One Childhood*, her autobiography, which provides a look at the development of her cultural identity. She grew up in Peru with influence from father's genteel family and later moved to Wyoming, where her mother's family taught her how to shoot a gun and snap a chicken's neck for dinner.

Physicist to talk about black holes

Kip Thorne, the Feynman professor of theoretical physics at the California Institute of Technology and author of *Black Holes and Time Warps: Einstein's Outragious Legacy*, will give a free lecture at 8 p.m. Tuesday, Nov. 6, in 101 Thomas Building on the Uni-

versity Park campus.

His talk is titled "Gravitational Waves: Probing Black Holes, Neutron Stars and the Earliest Moments in the Universe."

For information, call (814) 863-9605 or e-mail kqb2@psu.edu.



Kip Thorne

Literature topics are borderlands, gangsters

The Comparative Literature Luncheon, a weekly informal luncheon gathering of students, faculty and other members of the University community, has announced the next speakers in this semester's series.

The events begin with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy something in Kern Cafeteria. Coffee and tea are provided in the room. The speaker will begin at about 12:40 p.m.

The next two speakers are:

■ **Nov. 5:** Santiago Vaquera, professor in the Department of Spanish, Italian and Portuguese, on "Limit, Divide, Gateway: Re/Thinking the Borderlands."

■ **Nov. 12:** Fred Gardphé, professor in the Department of English and American Studies, State University of New York at Stony Brook, on "From Wiseguy to Wise Men: The Gangster Figure in Italian American Culture."

The events are free to the public. For information, e-mail Daniel Walden at dww8@psu.edu.

Topic is education in a technological society

Jennifer Croissant will lecture on "Technology Standards in K-12 Education: Assumptions and Ideologies for Living in a Technological Society" at 4 p.m. Nov. 7 in 158 Willard Building on the University Park campus.

Croissant is associate professor in the Program on Culture, Science, Technology and

Society at the University of Arizona. Her general interests are in the sociology of knowledge and technology, and she is conducting research projects on cultural ideas about technology, and on scientific instrumentation and the transformation of disciplines.

The Science, Technology and Society Program is the host for Croissant's lecture.

Topic will be environmental health research

Kenneth Olden will discuss "Future Directions in Environmental Health Research" at 4:30 p.m. Monday, Nov. 5, in 101 Agricultural Sciences and Indus-

tries Building on the University Park campus.

The event is sponsored by the Environmental Consortium.



Matthew Serbin Pittinsky, chairman of Blackboard Inc., discussed the future of e-education at the Faculty Staff Club Forum held Oct. 19. The next speaker will be Valerie Ferguson, regional vice president and managing director of Leows Philadelphia Hotel, on Nov. 14 at The Nittany Lion Inn on the University Park campus.

Photo: Greg Grieco

Documentary, discussion planned for Nov. 9

"Live Transmission," a collaborative documentary film on the "Performative Sites" symposium held at Penn State in October 2000, will premier at 4 p.m. Friday, Nov. 9, in the Palmer Museum of Art's Lipcon Auditorium on the University Park campus.

The screening will be followed by a panel discussion with Charles Garoian, professor of art education and director of the School of Visual Arts; Yvonne Gaudelius, associate professor of art education and women's studies; and Barbara Bird, assis-

tant professor of communications. These faculty members collaborated on the documentary with students from the School of Visual Arts and the Film/Video Program in the College of Communications.

Funded by a grant from the Ford Foundation, the documentary was filmed during the symposium where artists and scholars explored the intersections of art, technology and the body in contemporary culture through performance art.

The event is free to the public.

Lecture focuses on French colonial science

James E. McClellan III will lecture on "Pictures at an Exhibition of Colonial Science" at 4 p.m. Tuesday, Nov. 13, in 102 Weaver Building on the University Park campus.

McClellan, of the Stephens Institute of Technology, is currently collaborating with

François Regourd, Université de Nanterre Paris X, on a project titled "The Colonial Machine: French Science and Colonization in the Ancien Régime."

The lecture will look at 18th-century French colonial science between Paris and the West Indies.

Economist to discuss government, free society

Author and economist Walter E. Williams will discuss "The Role of Government in a Free Society" at 7:30 p.m. Thursday, Nov. 8, in the Adler Athletic Complex on the Penn State Altoona campus.

Williams' speech is part of the campus' Distinguished Speaker Series, which is free to the public. Tickets are available at the

Penn State Altoona Bookstore.

Williams' most recent work is titled *More Liberty Means Less Government—Our Founders Knew This Well*. He serves on the faculty of George Mason University in Fairfax, Va., as John M. Olin distinguished professor of economics and is the chairman of Department of Economics.

Runoff evaluation to be discussed at lecture

Jennifer Sporre will speak on "Development of a Low Intensity Rainfall Simulator to Evaluate P Runoff" from 3:35 to 4:25 p.m. Nov. 2 in 101 Agricultural Sciences and Industries Building on the University Park campus.

Sporre is a master of science degree candidate in soil science. The Department of Crop and Soil Sciences is the host for the event.

For information, call (814) 863-1601.



News in Brief



Janice Schneider, right, a horticultural graduate student, donated blood at one of the Red Cross mobile units on campus. Chris Pollock, left, from the Johnstown Red Cross unit, was one of the people on hand to draw the blood. For information on the next blood drive, see story below.

Photo: Greg Grilco

Career fair planned

More than 145 companies will attend the eighth annual Architectural Engineering Career Fair Tuesday, Nov. 6, in Rec Hall on the University Park campus.

The fair is expected to draw more than 500 people, including students from several other universities.

Companies will be recruiting students for entry-level permanent positions, as well as co-op openings and summer employment. Traditionally, the fair is the source of current and future employment contacts for most architectural engineering students.

Veteran's Day program in DuBois

Penn State DuBois will hold its annual Veteran's Day program at noon Monday, Nov. 12, in the Multi-Purpose Building gymnasium.

Guest speaker for the program will be retired Air Force Col. David Welton. Other speakers will include John Hiber,

commander of George D. Montgomery American Legion Post 17 of DuBois, and Daniel Kennedy, Veterans Club president.

A campus choir will present patriotic music, and the DuBois Honor Guard will post and then retire the colors following "Taps."

Blood drive scheduled

The Penn State Alumni Association will hold a blood drive from 11 a.m. to 5 p.m. Tuesday, Nov. 13, at the Hintz Family Alumni Center on the University Park campus.

Appointments are not mandatory, but participants are encouraged to make one. For information, call Susan Patten at (814) 863-6340 or e-mail srp16@psu.edu, or Chieko Koba at (814) 863-9762 or e-mail cdk35@psu.edu.

For information on eligibility requirements or the donating process, check the Web at <http://www.redcross.org/> or call (800) 542-5663.

Nominations sought for Faculty Scholar Medal

The Office of the President has put out a call for nominations for individuals eligible to receive the Faculty Scholar Medal, which recognizes scholarly and creative excellence.

The medal will be awarded to individuals in the following scholarly areas: arts and humanities, engineering, life and health sciences, physical sciences, and social and behavioral sciences.

For information on deadlines for submitting nominations and accompanying materials, check with the dean's office in the individual colleges. Deans should submit final rankings of the recommendations from their areas to the vice president for research, 304 Old Main, University Park, Pa. 16802, by Dec. 3. Campus executive officers and deans from areas outside of University Park should submit recommendations to the dean of the Commonwealth College or the dean of The Graduate School (as appropriate) by today.

The Faculty Scholar Medal, established by the Board of Trustees in 1980, will be given at the University Awards Program on

Monday, March 25.

Those eligible for the Faculty Scholar Medal include faculty members holding full-time academic appointments, with professorial, research or librarian titles, as well as individuals who are full-time instructors or assistant librarians. The achievement for which the faculty member is to be honored should have occurred or culminated during the preceding five years. Special attention should be given to the objective of honoring "a single contribution or a series of contributions around a coherent theme."

Nominations must include biographical data, a detailed description of the achievement itself and documented evidence in the form of letters substantiating the claim of the national or international importance of the achievement, specifically citing the value of the recent work. Renominations from the previous year are acceptable.

A committee of faculty peers will review nominations and select candidates' names to be sent to the president. Selection panels, one in each of the main scholarly areas, currently are being identified.

Alumni Recognition Awards nominations sought

Nomination forms for the 2002 Alumni Recognition Awards, sponsored by the Penn State Alumni Association, are now available at <http://www.alumni.psu.edu>.

The Recognition Program of the Penn State Alumni Association acknowledges individuals and groups for outstanding service to the University, program development and enrichment, and personal and professional achievements.

Alumni Fellow Award and Honorary Alumni Award nominations are due Dec. 14. Nominations for all other individual awards are due Feb. 1 and include: Volunteer of the Year Award, Recent Alumnus/Alumna Award and the Philip Philip

Mitchell Alumni Service Award.

All group organization award nominations are due Feb. 1. They include: Chapter Achievement Awards, Alumni Achievement Society Awards, Affiliate Program Group Achievement Award, Alumni Interest Group Achievement Award, P.R.I.D.E. Achievement Award and the Outstanding National Service Week Project Award.

Nominations for the James Robinson Equal Opportunity Award, which is a faculty and staff award, are due Dec. 1.

For information, call Kathy Kurtz at (800) 548-5466, option 4, or e-mail alumni_recognition@psu.edu.

COURSES

Health Matters

■ "Think Feet!" will be held from 11:30 a.m. to 12:30 p.m. Nov. 6 in 330 HUB-Robeson Center on the University Park campus. Dino Campanis, owner of Campanis Shoes and a podiatric orthotist, will discuss how to solve shoe problems and what to look for while buying shoes.

■ A "Nutritional Needs During Perimenopause and Menopause" class with

Virginia M. Corcoran, faculty/dietetic internship director, will be offered from noon to 1 p.m. Nov. 8 in 330 HUB-Robeson Center on the University Park campus. Estrogen replacement therapy and women's needs will be discussed.

The fee for this class is \$5.

To register for either class, call (814) 865-3085 or go online at <http://www.ohr.psu.edu/health/home>.

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at <http://newswires.psu.edu/> to sign up for your **FREE Employee Newswire**, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



Arts & Entertainment

Percussion Ensemble

The Penn State Percussion Ensemble will present its 2001 Homecoming concert at 8:30 p.m. Friday, Nov. 2, in Esber Recital Hall, Music Building 1, on the University Park campus.

Nick Petrella, who will be featured in the performance, will give a multiple percussion clinic at 2:30 p.m. Friday, Nov. 2, in 122 Music Building II.

Glee Club

The Penn State Glee Club will present its Annual Homecoming Concert at 7:30 p.m. Saturday, Nov. 3, in Schwal Auditorium on the University Park campus.

Tickets are \$6 general admission and \$2 for students and are available at the Arts Ticket Center, at the HUB-Robeson Center and at Eisenhower Auditorium. President Graham B. Spanier will join the Glee Club as guest conductor. The concert also will feature the Hi-Los and the Varsity Quartet.

Bach's Lunch

The Penn State Double Reed Ensemble will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Nov. 8, in Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is sponsored jointly by the Lutheran Student Association and the School of Music. After the concert, audience members may take their bag lunches to the Memorial Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Multimedia 'Siddhartha'

"Siddhartha's Journey" will be performed at 8 p.m. Nov. 8, 9, 10 and 14 through 17 and at 2 p.m. Nov. 11 in the Paul R. and Margery Wolf Kuhn Theatre in the Community Arts Center on the Penn State Altoona campus.

The play is a multimedia adaptation of the Herman Hesse novella, "Siddhartha," incorporating dance, film, music and visual arts.

Tickets cost \$3 for students and seniors and \$5 for general admission. Tickets are available by calling (814) 949-5452. For information, visit the Penn State Altoona Web site at <http://www.aa.psu.edu/>.

War photography on exhibit

"Requiem," an exhibition of images from Vietnam and Indochina, will be on display from Nov. 7 until Jan. 27 in the Ward Conference Room, 103 Community Arts Center at Penn State Altoona.



Kenny Rogers is set to take the stage at 7:30 p.m. Dec. 3 at The Bryce Jordan Center on the University Park campus. Additional information on this concert is listed below.

'The Gambler' bets on Christmas show

Kenny Rogers will present his holiday show, "Christmas From The Heart Featuring The Toy Shoppe," at 7:30 p.m. Dec. 3 at The Bryce Jordan Center on the University Park campus. Reserved tickets cost \$57 and \$32.

The production features 11 songs written by Rogers, as well as several holiday classics, brought to life with lavish sets and life-size toys. This season will be the

BRYCE JORDAN CENTER

last chance to see the production, which is in its fifth and final year.

Tickets are available at The Bryce Jordan Ticket Center, Eisenhower Auditorium, select University Mart, Commonwealth Campus ticket outlets, by phone at (814) 865-5555 and (800) 863-3336, or online at <http://www.bjc.psu.edu>.

or visit the Penn State Altoona Web site at <http://www.aa.psu.edu/>.

Mixed media exhibit

"Conceptual Counterpoints," an exhibition of mixed media work, will run Nov. 7 through Dec. 14 in the McLanahan and Sheetz Galleries in the Community Arts Center at Penn State Altoona. The exhibition include works by Tyler Hewitt of Chicago and Richard Eisen of Columbus Ohio.

A free reception will be held from 4 to 6 p.m. Thursday, Nov. 8.

Hispanic Heritage Month

"Latinos and Latinas in the Arts" is the theme for Hispanic Heritage Month being celebrated during November on the University Park campus.

The schedule follows:

■ Hispanic and Latino/a students' artwork will be exhibited throughout November at the HUB-Robeson Cultural Center.

■ Sigma Lambda Beta International Fraternity will hold a monologue contest from 7 to 9 p.m. Thursday, Nov. 8, in Heritage Hall, HUB-Robeson Center.

■ An open mike poetry reading will be held at 7 p.m. Friday, Nov. 9, in Pollock Commons.

■ "A Night at the Copa" dance will be held from 10 p.m. to 2 a.m. Saturday, Nov. 10, in the Mars Room at East Halls.

■ Children's Day, featuring activities, magicians, storytelling and more, will be held from 1 to 5 p.m. Sunday, Nov. 11 at Heritage Hall, HUB-Robeson Center.

■ The Puerto Rican Student Association and the Society for Hispanic Engineers will hold a food festival from 11:30 a.m. to 5 p.m. Monday, Nov. 12, in Heritage Hall at the HUB-Robeson Center. The cost is \$2 or meal points.

■ "A Dress for Success" business fashion show will be held at 7 p.m. Wednesday, Nov. 14, in Mars Room at East Halls.

■ "Mr. and Ms. Latino/a Pageant" will be held from 8 p.m. to 2 a.m. in Heritage Hall, HUB-Robeson Center.

For information, call Melissa Landrau-Rodriguez at (814) 863-9440.

'Crucible' explores hysteria

"The Crucible," Arthur Miller's masterpiece about witchcraft hysteria in Salem, Mass., will be performed at 8 p.m. Nov. 9, 10 and 12 to 17 at the Pavilion Theatre on the University Park campus.

Tickets cost \$7.50 for preview performances at 8 p.m. Nov. 7 and 8. Tickets are \$10.50 for adults and \$8.50 for students and children for regular performances.

For information, call (814) 863-0255.

Maps Library features 2 displays

The University Libraries' Maps Library at 1 Paterno Library on the University Park campus installed an entrance display providing a unique view of the recent attacks on New York.

The display focuses on maps and satellite photographs pertaining to the Sept. 11 terrorist attacks on the World Trade Center. The images come from sources such as the *New York Times* and books in the Libraries' collection.

Another entrance display, the first in a series about China, features a map of China centered among postcards and photographs of Beijing and The Great Wall as well as other famous areas of China.

For information, call Joanne Perry at (814) 865-0139 or e-mail jup4@psuillia.psu.edu.



University Park Calendar

November 2 - November 11

SPECIAL EVENTS

Friday, November 9

"A Song and a Prayer: Looking at 'Differences Preserved,'" gallery talk by Joyce Robinson, noon, Christoffers Lobby, Palmer Museum of Art.

"The Crucible," 8 p.m., Pavilion Theatre, through Nov. 17. For tickets, call (814) 863-0255.

Sunday, November 11

Hispanic Heritage Month Children's Day, 1 to 5 p.m., Heritage Hall, HUB-Robeson Center.

MUSIC

Friday, November 2

Slipknot, System of a Down and American Head Charge, 6:30 p.m., The Bryce Jordan Center.

The Penn State Percussion Ensemble, 2001 Homecoming concert, 8:30 p.m., Recital Hall, Music I.

Saturday, November 3

The Penn State Glee Club, Annual Homecoming Concert, 7:30 p.m., Schwab Auditorium. For tickets, call (814) 863-0255.

Wednesday, November 7

Wadaiko Yamato drummers, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Thursday, November 8

The Penn State Oboe Reed Ensemble, Bach's Lunch concert, 12:10 p.m., Eisenhower Chapel.

Britney Spears with O-Town, 7:30 p.m., The Bryce Jordan Center.

Sunday, November 11

Bob Dylan, 7:30 p.m., The Bryce Jordan Center.

SEMINARS

Friday, November 2

Gerard T. Hooft on "How Does God Play Oice? (Speculations About Quantum Mechanics at the Planck Scale)," 11 a.m., 318 Osmond Laboratory.

Rena Repetti on "The Daily Effects of Job Stress on Parenting," noon, 102 Weaver.

Patrick Harran on "Glazernamide," 1:15 p.m., S5 Osmond Laboratory.

Tin Oixon on "Take Leaves in Turnoil: Reading Career Trends in the American Workplace," 2 to 3 p.m., Foster Auditorium, Pattee Library.

Jennifer Sporre on "Development of a Low Intensity Rainfall Simulator to Evaluate P Runoff," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Jennifer Adams on "The G.I. Bill and the Changing Geographies of U.S. Higher Education," 4 p.m., 301 Steidle.

Correen Yellow Bird on "Writing from a Native American Perspective in a Community Where Few American Indians are Present," 6 to 9:30 p.m., 113 Carnegie.

Monday, November 5

Garcinia Vidulova on "Iterative Approach to Polycyclic Ethers Based on Stereoselective Oxonium Ylide [2,3]Shift," 11:15 a.m., S5 Osmond Laboratory.

Santiago Vaquera on "Limit, Divide, Gateway: Rethinking the Borderlands," 12:40 a.m., 102 Kern.

Kenneth Olden on "Future Directions in Environmental Health Research," 4:30 p.m., 101 Agricultural Sciences and Industries.

Tuesday, November 6

Amy Richards and Letwah Sykes on "Barbies and Boycotts: Third Wave Feminism?" 3 p.m., Palmer Museum of Art.

Oued OeMille on "Fundamental Physics Using Atomic Molecules: From CP Violation to Quantum Computation," 3:30 p.m., 339 Overy Laboratory.

A.H. Mueller on "High-Energy Heavy Ion Collisions: From Early Stages to Equilibrium," 3:30 p.m., 112 Osmond Laboratory.

Ellen Moody on "Structural and Kinetic Bases of tRNA Selection on the Ribosome," 4 p.m., S5 Osmond.

Arian Kolata on "Mimesis, Monumentalism and Kingship in the Ancient Andes," 8 to 10 p.m., 107 Carpenter.

Kip Thorne on "Gravitational Waves: Probing Black Holes, Neutron Stars and the Earliest Moments in the Universe," 8 p.m., 101 Thomas.



This exhibit of South Asian sculpture is on loan from the Philadelphia Museum of Art to the Palmer Museum of Art on the University Park campus for three years. The 17th-century Buddhist deity is gilded copper alloy with turquoise, coral and pearls. The Nandi (bull) in the background is made from granitic stone.

Photo illustration: Greg Grieco

Wednesday, November 7

Dr. Anna M. Barrett on "Attention and Awareness in Aging and Dementia," noon, 108 Wartik Laboratory.

Vasundara Varadan on "Simulation, Model Reduction and Control of Complex Adaptive Systems," 3:35 p.m., 114 Earth and Engineering Sciences.

Jennifer Croissant on "Technology Standards in K-12 Education: Assumptions and Ideologies for Living in a Technological Society," 4 p.m., 158 Willard.

Thursday, November 8

Karsten Danielmeyer on a subject to be announced, 11:15 a.m., 22 Deike.

Steve Heppelmann on "Color Transparency: Pushing Hard on all the Quarks at Once," 4 p.m., 117 Osmond Laboratory.

Friday, November 9

Bernd Brueggemann on "Gravitational Waves from Black Hole Mergers," 11 a.m., 318 Osmond Laboratory.

EXHIBITS

HUB-Robeson Center

"Seeing the World Through Women's Eyes," black and white photography by Kathleen Karp, through Dec. 6.

"Heartdreams and Legends: Story of Two Peoples," through Dec. 4.

Ceramics by Ian Stainton, through Dec. 6.

Ceramics by Cheri Yarnell, through Dec. 6.

Ceramic sculpture by Roger Pollok, through Dec. 6.

Kern exhibit area

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," photography by Robin Hoecker, through Dec. 5.

Ethnics by Enrica Ruiz, through Dec. 5.

Palmer Museum of Art

"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," through Dec. 16.

"The Poetry of Line: Drawings by Henry Pearson," through Nov. 18.

"American Pastorale: Drawings by John F. Kensett," American Works on Paper Gallery, through Dec. 21.

Pattee and Paterno Library exhibit areas

"German-American Crosscurrents at Penn State: Celebrating a Century," through Jan. 3.

"Fred Waring and Patriotism," through Nov. 23.

Waring Commons

Prints by Rachel Simon, through Dec. 3.

Warnock Commons

Paintings by Kevin Silvka, through Dec. 2.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

The lay of the land



James Hilton, associate professor of agricultural engineering and education, helps students with establishing contour readings at the beginning of the Ag Systems Management 101 class. The course covers how engineering applies to land contours for safe farming, the elements of building foundation construction and power machine applications.

Photo: Greg Gileo

AWARDS

College to present faculty, staff awards

The College of Health and Human Development honored five of its own for their achievements during the college's annual Faculty and Staff Awards Ceremony.

Donna R. Ballock, computer support assistant in the Department of Human Development and Family Studies, received the Carol Clark Ford Staff Achievement Award. The award recognizes outstanding achievement by a staff member who "makes it easier for others to accomplish their objectives effectively and efficiently."

Linda M. Morrow, academic adviser and instructor in nutrition, will receive the Evelyn R. Saebel Faculty Award, which recognizes faculty members for service to students. Among its criteria are a commitment to human service, accessibility as an adviser and a caring, professional style.

Ralph W. Smith, associate professor of recreation and park management and professor-in-charge of that pro-

gram in the School of Hotel, Restaurant and Recreation Management, is the recipient of this year's Dorothy Jones Barnes Teaching Award. The award honors a faculty member for excellence in teaching and contributions to the art of teaching.

Mark L. Latash, professor and director of graduate programs in the Department of Kinesiology, is this year's recipient of the Evan G. and Helen G. Pattishall Outstanding Research Achievement Award. The award recognizes research contributions occurring or culminating within the past several years.

Sherry L. Willis, professor of human development, will receive this year's Pauline Schmitt Russell Distinguished Research Career Award. The award honors a faculty member who has made outstanding research contributions to the field across a major portion of his or her career.

Awards given to staff of Eberly College of Science

The Eberly College of Science has honored three staff members with awards for excellence in recognition of their contributions to the college and the University during a recent Staff Recognition Reception at The Nittany Lion Inn on the University Park campus. The award winners are Robert Fedorchak, coordinator of the Eberly College of Science academic advising program;

Barbara Baum, staff assistant in the Department of Mathematics; and Connie Boob, staff assistant in the Department of Chemistry. Each award winner received a plaque and monetary prize.

The college also awarded certificates of excellence to seven staff members: Karen Brewster, staff assistant in the Department of Physics; Dori Eakin, staff assistant in the

Department of Chemistry; Judy Flynn, staff assistant in the Department of Chemistry; Christine Foster, staff assistant in the Department of Physics; Barb Singer, staff assistant in the Department of Physics; Eric Younken, assistant research engineer in the Department of Chemistry; and Jeri Ann Zitek, staff assistant in the Department of Physics.

APPOINTMENTS

Several appointed to positions in Office of University Development

The Office of University Development has announced several new appointments to help strengthen its ongoing fundraising programs.

Linda Abbey has been named assistant director of development for the College of Health and Human Development. Most recently, she served as operations supervisor for HealthAmerica of PA Inc. in State College. She holds a bachelor's degree from Washington State University.

Linda Brown is the new associate director of development for The Smeal College of Business Administration. She was previously employed by Brown and Williamson Tobacco Corp. Brown holds a bachelor's degree from C.W. Post College of Long Island University.

George Browning has been appointed assistant director of development for the School of Information Sciences and Technology. He most recently served as the school's development assistant and holds a bachelor's degree from Penn State.

Pete Liske has been named director of major gifts for Intercollegiate Athletics, with special emphasis on developing funding for the improvement of athletic facilities. Most recently the athletic director at the University of Toledo, Liske holds bachelor's and master's degrees from Penn State, and was a football and baseball standout while a student. He later played football professionally.

David R. Willis is the new associate director of development for the Commonwealth College. He was formerly associate professor of naval science and executive officer of the Naval Reserve Officer Training Corps at the University. Before that, he served as executive officer of the Naval Air Station in Keflavik, Iceland. Willis holds a bachelor's degree from California Polytechnic State University and a master's degree from the Naval War College.

Joyce Matthews, Rebecca Mills named to development leadership positions

The Division of Development and Alumni Relations has announced two appointments to key leadership positions on the University Park campus.

Joyce Matthews has been named director of research and prospect development. She served last year as an Administrative Fellow to the vice president for development and alumni relations. Matthews will be responsible for establishing and maintaining donor database records; establishing policies and procedures for the overall management of prospect development and tracking; and coordinating support needs within the various offices of the division. Before that, she served as director of recruitment and admissions for the University undergraduate campuses. She holds a bachelor's degree in public relations/journalism from Shippensburg University and a master's degree in counselor education from Penn State.

Rebecca Mills has been named director of corporate and foundation relations, a post she had held on an interim basis for nearly a year. She will be responsible for cultivating relationships and providing guidance to members of the University community on matters relating to financial support from corporations and foundations, as well as implementing a comprehensive plan for developing such support. Mills joined the corporate and foundations relations staff as associate director in 1997. Before that, she worked as a district administrator for U.S. Rep. William E. Clinger Jr. She holds bachelor's and master's degrees in Spanish from Indiana University of Pennsylvania.



Obituaries

James R. Palmer, University benefactor, dies

James R. Palmer, 77, of State College, died Friday, Oct. 12. With his wife, Barbara Palmer, he was a longtime University benefactor.

An honorary alumnus, he was founding president of Pennsylvania Centre Stage and a member and past president of the Palmer Museum of Art Advisory Board. With Barbara, he donated the lead gift for the museum that bears their name and was co-chair of the museum expansion campaign.

The Palmers also funded the Palmer Graduate Fellowship in electrical engineering and the Palmer Chair in telecommunications. He was honorary chair of the College of Communications Grand Destiny Campaign and on the executive committee for the Penn State Grand Destiny Campaign.

Palmer was a member of the University's Industrial and Professional Advisory Council for the College of Engineering, a former member of the Radio-Television-Film Professional and Alumni Relations Committee, and a member of the Telecommunications Liaison Advisory Board.

He was a 1944 graduate of Iowa State University with a bachelor of science degree in electrical engineering. Following graduation, he attended U.S. Naval Officers' Training and was commissioned a U.S. Navy ensign, serving as an electronics officer in the Pacific during World War II. In 1953 he moved to State College to become



James R. Palmer

a project engineer with Haller, Raymond and Brown (now HRB Systems Inc.), continuing at the company through 1955.

In 1954, while still at HRB, he became president and chief executive officer of C-Cor Electronics, an early manufacturer of cable television equipment. By 1981 he had grown C-Cor Electronics to where it completed a successful initial public offering, followed by a second offering in 1983. Today the company is known as C-Cor.net.

From 1956 through 1972 he also was president of Centre Video, a cable system operator. By 1972 the company included 13 subsidiaries, operating cable television systems in Pennsylvania, Ohio and West Virginia. That year, the company merged with Telecommunications Inc. (TCI), now AT&T Broadband.

From 1949 until his death, Palmer was a registered professional engineer. He was a senior member of the Institute of Electrical and Electrical Engineers.

In 2001 he received the Centre County United Way Award for Exemplary Philanthropy.

Memorial contributions may be made to the Palmer Museum Acquisition Fund, Palmer Museum of Art, University Park, Pa. 16802, or to the Centre County United Way, 2790 W. College Ave., State College, Pa. 16801.

Eleanor S. Smith, residence hall worker in Housing and Food Services, from May 1, 1954, until her retirement May 29, 1969; died Sept. 19, at the age of 94.

Donald Arthur Streitz, professor of mechanical engineering, director of the Vehicle Systems and Safety Program at the Pennsylvania Transportation Institute and director of the Graduate Automotive Technology Education Center, Energy Storage Solutions, died Aug. 1. He was 46.

He was granted a Fulbright Scholar Award to teach at the University of Addis Ababa in Ethiopia in 2001. He also was awarded the Penn State Engineering Soci-

ety Outstanding Advising Award and PSES Outstanding Research Award.

In August, he was awarded the American Society of Mechanical Engineers International Certificate of Appreciation in recognition of his lifelong dedication to the field of vehicle design and encouraging engineering design as the core of all engineering teaching through the application of systemic methods.

Hugh B. Urban, professor of health and human development in the College of Health and Human Development, from July 1, 1958, until his retirement June 30, 1986; died Oct. 3. He was 75.

many new peers and young managers. Upon retirement, Fisher plans to travel and visit some of her grandchildren.

Judith G. Miller, staff assistant VI in Auxiliary and Business Services, from Aug. 1, 1974, to Sept. 1.



The groundbreaking ceremony for the new Information Sciences and Technology Building on the University Park campus drew a standing-room-only crowd. The building, expected to be completed in late 2003, will form a physical link across Atherton Street between the East and West campuses.

Photo: Greg Grieco

IST building to be completed in late 2003

Ground was broken for the new Information Sciences and Technology Building on the University Park campus, as word came that the commonwealth has pledged \$25.5 million toward the project.

The building will straddle U.S. Business Route 322 and bring together under one roof both IST and the Department of Computer Science and Engineering. The \$58.5 million project is expected to be completed in late 2003.

Announcement of the state's support came from Gov. Mark Schweiker in Harrisburg. "Penn State is recognized nationally for innovation in education. And now, with \$25.5 million in state support, the University's information technology and computer science programs will also have a physical space worthy of national acclaim," Schweiker said.

Groundbreaking ceremonies for the Information Sciences and Technology

Building took place Oct. 26. Offering remarks were Edward R. Hintz Jr., president of the Board of Trustees; Charles F. Gerhards, deputy secretary for information technology; David Reese, chairman of the IST Advisory Board; President Graham B. Spanier; Dean James B. Thomas; and Dean David N. Workmeyer.

Inspired by the Ponte Vecchio in Florence, Italy, the design for this project is the product of a joint venture between Rafael Viñoly Architects, P.C., and Periflo Weiskopf Architects.

Through the core of the curving brick, glass and aluminum structure will be a walkway that will permit safe access between the west and central portions of the University Park campus. A two-story atrium will admit sunlight into the middle of the building.

To learn more about the Information Sciences and Technology Building, go to <http://ist.psu.edu>.

PARTINGS

Delores Fisher, dining hall worker A at Warnock Dining Commons, retired recently after more than 32 years of service. She was hired in September 1969, and during the course of her time at the University she has shared her knowledge and experience with literally thousands of student employees.



Private Giving

Software licenses donated to Penn College

Students in the School of Business and Computer Technologies at Pennsylvania College of Technology will be able to gain valuable job skills available previously only to students at institutions with large mainframe computers.

Micro Focus, an industry leader in development solutions for COBOL, a computer-programming language, recently donated \$170,000 worth of software licenses to Penn College for "Mainframe Express," a program that allows students working on personal computers to access an interface that simulates ones used on mainframe computers.

Anthony L. Nief, an assistant professor of computer science at Penn College, approached Micro Focus about the product, worked out the details of the grant with the company and will use the product in the college's Business Transaction Systems course. Nief also integrated the product into the Data Base Integration course for this semester.

"Students who are signed onto a personal computer can now use this product,

which provides an interface that, in almost every respect, looks and feels identical to mainframes," he said.

Nief added that a major component of Mainframe Express is the Customer Information Control System (CICS), an IBM product that provides business-transaction services.

"CICS runs transaction systems like ATM machines and networks, supermarket systems, retail-store systems and systems in virtually every industry today," he said. "CICS is the most widely used business-transaction-processing system for large IBM-compatible mainframes. In addition, it also runs on many other platforms and operating systems."

The impetus for the software donation came from the development of a new bachelor-degree major at Penn College, Business Administration-Management Information Systems Concentration.

For information, call (570) 327-4517 or visit the Penn College Web site at <http://www.pct.edu/>.

M&T Bank's donations now top \$1 million

M&T Bank's support of the Grand Destiny fund-raising campaign has surpassed the \$1 million mark, according to Rod Kirsch, University vice president for development and alumni relations.

The Buffalo-based bank began contributing to the campaign at its outset on July 1, 1996. Its gifts have helped a variety of programs on five campuses.

At the University Park campus, M&T has directed donations toward Pennsylvania Centre Stage, the Center for the Performing Arts, Penn State Public Broadcasting, a digital photography studio in the College of Arts and Architecture, the Beaver Stadium expansion project and athletic scholarship support.

The bank also has targeted gifts to help build and furnish the new library at Penn State Harrisburg, endow scholarship funds at Penn State Schuylkill and Penn State Mont Alto, and a building project still pending at Penn State Altoona.

M&T Bank, which was established in 1856, is the principal subsidiary of M&T Bank Corp., the nation's 27th largest independent, publicly owned commercial bank holding company, having more than \$31 billion in assets as of Sept. 30. The bank has about 470 branch offices throughout New York, Pennsylvania, Maryland and West Virginia.

Community asked to join in race relations project

Public radio station WPSU (91.5 FM) is embarking on a long-term, multi-faceted exploration of race relations at Penn State University and in its surrounding communities.

This month, WPSU will air the first live program of "Race Matters." The program will explore racial and ethnic stereotypes and their impact on individuals living in America.

In addition to six, hour-long specials airing over the next nine months, the project will include a series of first-person narratives, produced by a racially diverse group of University students; and commentaries

(radio editorials) by members of the University community and area residents.

The project will conclude in summer 2002 with an hour-long radio documentary.

As "Race Matters" evolves throughout the 2001-2002 academic year, WPSU encourages students, faculty, staff and members of the community to share their own experiences and thoughts on race — informally, as comments to project staff or more formally as radio commentaries.

Those interested in writing a commentary for the series should call Cindi Deutschman at (614) 865-3333 or e-mail racematters@psu.edu.

The learning tree



Cheryl Birchard, a junior in human development and family studies, took her studies outdoors recently and did her math homework outside of Willard Building on the University park campus. She's done with her midterms and is looking ahead to her final exams.

Photo: Annemarie Mountz

Phase 3 set to start at Innovation Park

Innovation Park at Penn State, the University's research park at University Park, is set to launch Phase 3 of development, which will involve the remaining undeveloped 75 acres in the western part of the 118-acre site.

In a competitive bid process concluded recently, the University chose Innovation Capital Partners to develop Phase 3. Innovation Capital Partners is a development group which includes CB Richard Ellis, a global real-estate services firm, and L. Robert Kimball and Associates, a full-service architectural and engineering design firm.

Innovation Capital Partners is leasing the park's entire remaining undeveloped parcel and can develop up to 800,000 square feet in that acreage. The number and type of buildings developed will depend on tenant requirements.

Steven Kohler recently joined CB Richard Ellis and will serve as project manager for Phase 3. He will have an office at Innovation Park in the Technology Center.

The University's Board of Trustees adopted Innovation Park at Penn State as a phased-development project in 1987 to assist in the economic revitalization of the commonwealth.

According to Karen Dickinson, park director, there are currently 41 tenants at Innovation Park employing more than 770 people. In addition, 39 percent of the tenants provide work experience for student interns and the same proportion have hired University graduates.

Phase 1 includes the Technology Center building, which houses the Centre County Chamber of Business and Industry business incubator as well as the University's industrial outreach and technology transfer programs; The Penn State Conference Center Hotel; the Materials Research Institute Building; and Daybridge Child Care Center.

Phase 2, begun in 1997, includes two fully occupied multi-tenant buildings developed by PSF Developers. A third building, for use by the University, is planned for the remaining lot in the Phase 2 parcel. Eventually, Phase 2 also will provide an additional entrance to the park when Interstate 99 is completed.

A complete list of the companies located at Innovation Park at Penn State is on the Web at <http://www.innovationpark.psu.edu/companies.html>.



Focus on Research

Reliable, wireless, infrared local area networks demonstrated

By BARBARA HALE
Public Information

University engineers have shown that broadband, wireless, indoor, local area communication networks that rely on non-line-of-sight infrared signal transmission can offer low error rates as well as safe, low—below one watt—power levels.

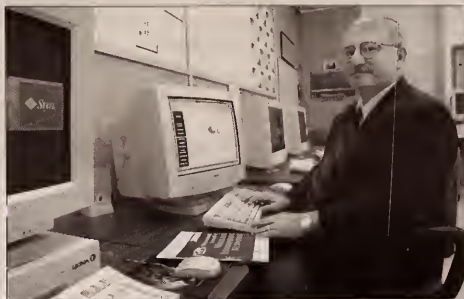
Mohsen Kavehrad, professor of electrical engineering and holder of the W. L. Weiss (AMERTTECH) chair, said, "Line-of-sight or point-to-point infrared signal transmission, which is used, for example, in television remote controls, is highly efficient at low power levels but suffers from the need for alignment between the transmitter and receiver. If someone 'shadows' or blocks the remote control beam while you're trying to change the channel, the signal can't get through.

"On the other hand, non-line-of-sight transmission, which uses a broad diffuse beam, suffers less from shadowing but usually forfeits the power efficiency, broadband and low error rate values that infrared transmission can offer."

Now, Kavehrad and his colleagues at the Center for Information and Communications Technology Research have developed a new link design that uses a multi-beam transmitter with a narrow field of view receiver. The system has a bit-error rate of only one error per billion bits and uses milliwatt-transmitted power levels. Sveldi Ilkova, research associate, collaborated with Kavehrad on writing a paper on their work.

Kavehrad said, "This error rate is unmatched considering the offered transmission capacity."

To use the Penn State signaling scheme, for example, to form a local area network for a group of computers in a room, each machine is equipped with a low-power infrared source and a holographic beam splitter. The original low-power beam is separated into several nar-



Mohsen Kavehrad, professor of electrical engineering, and his colleagues have developed a new link design that uses a multi-beam transmitter with a narrow field of view receiver.

Photo: Greg Grieco

row beams, which strike the ceiling and walls at points that form an invisible grid throughout the entire volume of the room. Because the beams also are reflected at each of the strike points, they can be used to send or receive information.

Since the beams created by the splitter are narrow, narrow field-of-view receivers are used. Using a narrow field-of-view receiver makes it easier to filter out noise. In addition, receivers consisting of more than one element can ensure continued coverage when some of the transmitter beams are blocked.

Kavehrad noted, "Others have attempted to develop local area networks with radio frequencies. However, indoors, radio frequencies can pose a radiation hazard."

"Infrared signals, on the other hand, pose no such hazard, especially at the low powers used by our system. Howev-

er, since the sun is an infrared emitter, as well as fluorescent and incandescent bulbs, light coming in through windows or from artificial lighting can add background noise to the system. This noise, to some extent, can be filtered at the receivers."

The University team developed a framework for computer simulation under which properties of room, transmitter and receiver are quantified. Using the simulation results, they showed that the system has a bit-error rate of only one error per billion bits in 99 percent of the coverage area at bit rates up to a few hundred megabits per second. In addition, the system uses transmitted power levels well below one watt.

The system is being patented by the University.

Barbara Hale can be reached at bah@psu.edu.

Aging, disabled inmates require special care

By VICKI FONG
Public Information

With stricter sentencing policies, states are facing a growing prison population of aging inmates. In addition, there are younger, disabled inmates who need long-term health care assistance.

A University health care team examines ad-hoc and planned strategies used by one state's correctional system to deal with these needs, and suggests ways to deal with inmates' long-term care needs at prisons nationwide.

"Longer mandatory sentences without the possibility of parole have significantly helped to boost the prison population over two decades," said study co-author Cynthia Massie Mara, associate professor of health care administration and policy at Penn State Harrisburg. "It's inevitable that as this larger population ages within the prisons, they will require greater long-term care. Also, more prisoners, including younger ones, require daily living assistance due to physical disabilities from injuries or from diseases such as AIDS or hepatitis C."

Mara and Christopher K. McKenna, associate professor of management science at Penn State Harrisburg, conducted the study, which is the first comprehensive research of long-term care in a prison system.

The researchers surveyed corrections health care administrators of all 25 state correctional institutions (SCIs) in Pennsylvania. They found that 22 SCIs reported having at least one inmate needing assistance, and that 1.8 percent of Pennsylvania's total state inmate population requires daily living help. Inmates ranging from 18 to 89 years of age were reported as having at least one daily living impairment, but nearly 24 percent of inmates are 65 years and older are affected. Within the total group, the percentage of women inmates needing assistance is 1.88 percent.

The study identified several models or strategies being used to provide long-term care, but the strategies were mainly developed ad-hoc, or as needed, rather than from a comprehensive plan.

The researchers said that the care of infirm, aging inmates who need long-term care can cost up to \$70,000 a year per person, according to general estimates. Across the nation, policymakers and planners in various state corrections departments should conduct comprehensive assessments of their populations and existing facilities, the team suggested.

"First, states should identify inmates who currently need long-term care and inmates who are likely to require care in the future," Mara said. "Other issues include staff and training needs, inmates helping other inmates, safety of older inmates, women inmates who need long-term care, modification of jobs for inmates who need assistance, release planning, hospice care, buildings and grounds and cost of care."



Cynthia Mara

Vicki Fong can be reached at vfong@psu.edu.

X-ray emissions detected from elusive cosmic objects

A type of celestial object that has long stumped astronomers has been found to emit X-rays, thus proving a theory of how the objects form.

A team of astronomers including Steven Pravdo of NASA's Jet Propulsion Laboratory in Pasadena, Calif.; Eric D. Feigelson, Gordon Garrimore, Yoshitomo Maeda and Yoshiko Tsuboi at Penn State;

and John Bally at the University of Colorado, have concluded that these objects, called Herbig Haro objects, are produced by high-velocity shocks.

Herbig Haro objects are found in regions where new stars are forming. They are nebulae, or dust-and-gas clouds. They form when high-velocity gas emitted from young stars collides

with clouds of interstellar material. The collision heats the gas in the surrounding nebula to sufficiently high temperatures to produce X-rays. Observations for the past 20 years showed no evidence of X-ray emission from these objects.

For more of this story, check <http://www.science.psu.edu/alert/Garrimore-10-2001.htm>.

Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial assistant/calendar

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Shaver's Creek dam repairs near completion



Articulating concrete block mats are being placed over the surface of the existing dam embankment by Leonard S. Fiore Inc. of Altoona. The 8-by-40 foot mats, shown up close in the inset, are made of open-celled concrete blocks that are cabled together to form a contiguous carpet. This system will help preserve the integrity of the dam in the event of spilling over during a significant flood. They will be covered with topsoil from the lake floor and seeded, helping to protect the blocks from deterioration while creating a natural, aesthetic appearance.

Photos: Tysen Kendig

Project expected to be ended by mid-November

Contractors have nearly completed spillway repairs and have begun to put innovative reinforcement mats on the Shaver's Creek dam at the University's Stone Valley Recreation Area.

The environmentally friendly reinforcement system, made of articulating concrete blocks, is the first of its kind in use on a dam in Pennsylvania and the highest in the United States. The armored dam embankment will be covered with topsoil and seeded, protecting the blocks from deterioration while providing a natural, aesthetic appearance. The project is scheduled for completion by mid-November.

As for when Lake Perez, the 72-acre body of water formed by the dam, will be fully restored? Only the autumn rains and winter snows can provide that answer.

To view more photos of the dam and spillway project, check the Web at <http://www.psu.edu/ur/2001/oct18perezphotos.html>. For information on Stone Valley Recreation Area, visit http://www.psu.edu/Stone_Valley.

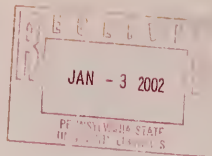


The renovated spillway is shown with the base of the dam at right. The water in the spillway will continue to be pumped from the floor of Lake Perez back into Shaver's Creek until repairs on the dam are completed.



Intercom

INFORMING THE PENN STATE COMMUNITY



NOVEMBER 8, 2001

Alter-egos

After hours, University employees trade desk jobs for instruments

By JULIE A. BRINK
Public Information

One of the brightest moments in Tom Mallouk's career as a rock 'n' roller came when his then-10-year-old daughter Laura hopped on stage at the Friends School Fun Fair in State College to sing "Twist and Shout."

"She really belted it out and everybody stopped what they were doing and came over to listen," he recalled.

For Jermy Cohen, it was while he was with the now-defunct campus band Voodoo Poodle playing a gig in the Carnegie Auditorium on the University Park campus. The band was really smokin' that night and "several students up front pulled out Bic lighters and started waving them around."

For John Bardi, it was when Steve Winwood came to his house to jam with him. Bardi plays guitar solo and in different bands as well as performing in his own cable-access television program, "The John Show."

It may have been great, but these guys are keeping their day jobs.

Mallouk is DuPont professor of materials chemistry. Cohen is associate vice provost for undergraduate education and Bardi is a lecturer in philosophy at Penn State Mont Alto. They are part of a loosely knit fraternity of musicians across the University's campuses. Some play in professional bands. Others jam in basements.

Bands, page 2

Way to go, Joe



Historical street clocks to be senior class gift

By LAURA STOCKER
University Relations

The Class of 2002 has chosen to fund the installation of historical street clocks on the University Park campus for its senior class gift. Seniors have pledged more than \$16,000 so far to the project. The number of clocks will depend on the final cost of each clock and the total amount of money raised by the class.

The seniors also voted to dedicate the gift to the memory of the victims of the tragic events of Sept. 11, according to Erica Schneider, chair of the senior class gift committee.

Class gift, page 3

PRIVATE GIVING

\$1.6 million given by alumni for Life Sciences Building

Efforts to raise private funds for a new Life Sciences Building received an important boost in the form of three recent gifts totaling \$1.6 million. University alumnus Verne Willaman and his wife Betty committed \$1 million; alumni A.M. "Don" and Marion MacKinnon gave \$500,000; and alumni Woodrow Hoch and his sister, Sylvia Hoch, each gave \$50,000.

The Life Sciences Building will house interdisciplinary teaching and research activities related to fields as diverse as plant biology, neuroscience and molecular toxicology.

Private Giving, page 3

Photo: Greg Grieco

A larger-than-life, bronze sculpture of Joe Paterno, commissioned by Friends of Joe and Sue Paterno and Penn State, was erected Nov. 2 outside the east side of Beaver Stadium on the University Park campus. The statue, honoring Paterno's contributions to the University and his becoming the NCAA Division IA all-time victories leader with 324 victories, is approximately 7 feet tall and weighs almost 1,000 pounds. The sculptor, Angelo DiMaria of Bush Designs of Reading, took nearly three months to complete the work. On the walls surrounding the statue are plaques commemorating the results of each of the 421 games since Paterno became head coach in 1966. To view more photos, check the Web at http://www.psu.edu/ur/archives/intercom_2001/paterno/.

Bands

Continued from page 1

President Graham B. Spanier is part of that brotherhood. He thumps on a washboard and clangs a cowbell with the Deacons of Dixieland. So is Tom Harmon, director of University Police, the drummer with the Little German Band. He once performed at a party for Jimmy Carter.

"It's just a way of remembering there are other sides of our lives," said Cohen, the bass player in Diminished Seventh, a group that gets together on Saturday mornings in Cohen's living room to play folk, jazz, ballads and standards. "Sometimes we pretend that we're 16 and throw in some Rolling Stones and Bob Dylan."

The lineup is Deborah Meder, assistant controller, vocalist; James Hamilton, assistant professor of speech communication at Mont Alto, who sits in every time he gets to University Park, on banjo or guitar; Richard Barton, professor and associate dean in the College of Communications, mandolin; William Ritzman, coordinator of ADA programs, keyboards, squeezebox and accordion; and Walter Scanlan, associate professor of education, lead guitar.

"We play in the real spirit of folk musicians and music, which is sharing stories and friendship, instead of reliving a teenage fantasy," Cohen said. "We've graduated to using smaller amplifiers instead of bigger ones."

Mallouk says he plays bass guitar for the fun effort. "We've arrived at the stage in our lives where we don't have much fun anymore," he said. "It's very different from what we normally do."

The Friends School Rock and Roll Band (motto: "The fourth-best band of the Friends School"), includes George Lesicure, associate director of the Center for Acoustics and Vibration and professor of aerospace engineering. The band is nonofficially professional in that it plays venues — the Fun Fair, fundraisers, parties and 40-something friends' weddings — but members don't get paid for their work.

"We've never actually accepted money for our services," Mallouk said. "It would be unseemly considering how bad we are and the nature of our day jobs."

"When someone hands me \$40 after a gig, it's just astonishing," said Ali Carr-Chellman, associate professor in the College of Education, who sings in Back Ali, a jazz/pop band. Back Ali has played at The Nittany Lion Inn, the Creamery, at Fischer Plaza, private parties, receptions and the Faculty Staff Club's annual newcomers reception.

Carr-Chellman, the vocalist, said, "All the talent is behind me." That includes Andrew Jackson, an instructor in education, who is involved in a number of musical groups both on and off campus, and plays drums in Ali. Rounding out the band are George Fivik, a University alum who works in the State College School District, bass; Ted Mannino, a doctoral-degree candidate in instructional systems, lead guitar; and Wes Lipschutz, senior undergraduate student adviser, keyboards.

The band has been together in one form or another for about three years, although

A partial list

No one is keeping tabs on how many faculty and staff are musically inclined, but here are a few that popped up in an informal survey:

- **Jerry Zolten**, assistant professor of speech communication at Altoona, plays the blues and studies black musicians;
- **Linda Littleton**, Center for Academic Computing, and **Celia Millington-Wyckoff**, Outreach and Cooperative Extension, are part of Simple Gifts, instrumental music;
- **John Lamancusa**, professor in mechanical engineering, performs with Crooked Stovepipe;
- **Lou Campbell** (vocals/guitar) and **Neal Myers** (sax/keyboards), both research staffers in the College of Engineering, perform in Superglide, a rock band;



President Graham B. Spanier leads the "Umbrella Dance" during a performance with the Deacons of Dixieland at the Centre County Gorge Encampment and Fair in Centre Hall in August. Spanier has played washboard with the band for several years.

■ **Connie Gensimore**, finance director at the Center for the Performing Arts, is part of the Phyrst Phamly;

■ **Gary Abdullah**, writer/editor in the College of Agricultural Sciences, plays bass guitar with **Andrew Jackson**, instructor in the College of Education, in Urban Fusion. Jackson also plays with Earthtones and other groups;

■ **Gretl Collins**, a designer in the College of Agricultural Sciences, plays fiddle in Danny Boy;

■ **Kevin Nohy**, admissions officer at Penn State Hazleton, plays bagpipe in Ceol Mor Pipe and Drum Band; and

■ **Seheya Colner**, instructor in biology, **David Witmer**, manager at the Applied Research Laboratory, and **Jill Buchanan**, a nurse in University Health Services at University Park, are members of the Nittany Highland Bagpipe Band.

nician at WPSX, and Topher Yorks, associate producer at WPSX. Mantz sings and plays acoustic guitar in 3-D Betty, a rock band that plays around town.

Yorks is lead singer, rhythm guitarist and keyboardist in Milkshake Mojo, a modern rock cover band. He is part of the acoustic duo Toph and Ben, and composes scores for films, television, dance and theater. Yorks was nominated for a Mid-Atlantic Regional Emmy in 2000 for a performance produced by WPSX titled "Mission Accomplished," highlighting the championship season of women's volleyball team.

"Working at Penn State helps put food on the table and being a musician keeps me sane," Yorks said.

Kristine Allen, program director at WPSU, is a one-woman musical dynamo. She sings in The Bloom Consort, an early-madrigal group that performs at Pennsylvania and Maryland Renaissance fairs. In 1999, Allen founded Myrthe, an early musical ensemble that plays renaissance, medieval and traditional music on a variety of period and modern instruments. Toby Carlson, professor of meteorology, also is a member of the group. If that's not enough, Allen also plays fiddle in local folk groups and sings with a musical review group in State College.

"I work on music every night for a couple of hours one way or another," she said. "It's a part of daily life."

Donnie Rhoades, audio engineer for WPSX and assistant lab coordinator for the College of Communications, made his living for some years as a professional musician before joining the 940-5 crowd.

"I realized that peanut butter-and-jelly sandwiches and Spaghettios only taste good for a certain amount of time," he said. Rhoades plays drums in 3-D Betty and with Cliff Turner and the Alchemuburners.

Being a part-time bandsman can have its low points. Ask Bardi.

"Once I was playing back in the '70s in a disco band that got booked into a country music bar," he said. "It was the grossest misbooking possible. They hated the whole idea of disco."

But Mantz has the best story with the rigors of professional music. While playing in a downtown drinking establishment on a rowdy football weekend, someone barfed in the bass player's amplifier.

Julie A. Brink can be reached at jab81@psu.edu.

some of the personnel have moved on.

"We have this series of rotating keyboardists, like Spinal Tap's exploding drummers," she joked. "I'm hoping Wes will stick around."

John Bagby, professor of business law, has been playing bass with The Cloners since 1995. Bagby doesn't particularly like a *USA Today* reference to "geezzer bands," baby boomers who played in high school garage bands, who are returning to their artistic roots, but he admits the reference is apt. Bagby and his co-horts — Martin Petrich, director of the Science Technology and Society Program, vocals; Mark Gullinan, professor of plant biology; and Chris Lee, chief executive officer of Columbus Chapel and Boal Mansion Museum in Boalsburg, vocals, guitar and keyboards — play classic rock. The band's name is a nod to Gullinan's research and a pun on the fact that they're a cover band. Steve Fales, a founding member and guitar player, just left Penn State to take a position at the Iowa State University.

Bagby lives for moments like this past Memorial Day when The Cloners played at Boal Mansion and everything clicked.

"At that moment I realized that we were a band," he said. The group plays for fun, rehearsing sporadically as schedules allow.

On-Chi Ng, who fronts the Department of History's band, Irreconcilable Differences, had played in high school rock bands and was a lounge singer in Hong Kong before his

career as an associate professor of history took over and he sold his guitars. Ng was inspired when colleague Dan Beaver, associate professor of history, bought a drum set.

"I walked into a music store in town, bought an electric guitar and amplifier and days later, we started jamming," he said.

Dan Letwin, associate professor of history, joined them on guitar and Bill Penick, professor of American history and a classically trained pianist, started playing keyboards. Soon, they were joined by Barry Kernfield, adjunct lecturer in music, and Matthew Restall, associate professor of history, both on sax. Graduate student Charlie Yood and Ng's wife, Mary Ann Mazlak, who teaches comparative education at St. John's University in New York and is a classically trained fiddle, share duties on bass.

The band's name comes from what Ng refers to as their "hodgepodge" of musical backgrounds. The band calls itself a blues/light jazz group and it plays for weddings and the annual departmental picnic, among other gigs.

"We play for our own enjoyment," Ng said.

For some of the University community, their positions truly are day jobs. Chris "Cole" Hons, writer/editor in Outreach, fronts a band called Street Carnival Saints that plays rock and originals. He's been in bands since 1987 and is exploring the possibility of putting a songwriting demo together. Then there's Judson Mantz, editing tech-

Photo: Annemarie Mountz

University to assist student parents with child-care costs

The Office of Human Resources has secured a grant award of \$280,000 per year for the next four years, for a total of \$1.12 million, from the U.S. Department of Education to provide child-care financial assistance to student parents University-wide.

The Work/Life Programs Office implemented a child-care subsidy program for student parents in 1992. Until now, this has been a small program able to assist a limited number of families. The grant will expand the program, which the Work/Life Programs Office will implement at all campus locations to provide undergraduate and graduate student parents with financial

assistance for safe, quality child care — better enabling them to achieve their academic goals. The grant will fund 66 percent of the total cost of the program. University funds equal 14 percent of the cost and funds from the University Park Allocation Committee constitute 12 percent of the program funding. Nongovernmental resources comprise 8 percent of the program budget.

Upon approval, student parents will be eligible for \$250 per month toward full-time child-care costs and \$150 per month for part-time care (including before-and-after school care). Student parents also may receive financial assistance for sick and emergency

care, summer child care and care during finals and mid-term periods.

Qualifying student parents may use this subsidy to assist in child care costs at licensed child-care centers and family home providers in their communities. In addition, child-care centers and home providers who are not already accredited must enter into an agreement with the University to earn accreditation within three years.

The Office of Human Resources would like faculty to help distribute this information to the student population. Updates to the University's student child-care subsidies Web site will occur on a regular basis. The

site can be found at <http://www.ohr.psu.edu/worklife/subsidies.htm>.

The Federal "Child Care Access Means Parents in School" program authorized by the Higher Education Amendments of 1998 assists universities and colleges across to improve child care access for student parents. Institutions are eligible for the grants if they disbursed more than \$350,000 in Federal Pell Grants to their students the previous year.

For more information about the Student Child Care Subsidy Program, contact Stephanie L. Zizzo at (814) 865-9346 or subsidy@psu.edu.



Senior Class Gift Committee members Erika Schneider, left, Jessica Muri, Veronica Iacobazzo, Geoff Grivner and Amanda Gormley, along with Allison Meybohn, right, one of two students who submitted the winning proposal, unveil the senior class gift choice.

Photos: Greg Grieco

Class gift

Continued from page 1

"This year's gift provides a new element for the campus that is both functional and aesthetically pleasing," said Schneider, a geology major. "The clocks will be new landmarks on campus, providing time pieces for those out of sight of the Old Main bell tower."

Schneider notes that the designer of the clocks has not yet been determined, but it is proposed that they have a historic look similar to ones found in downtown State College. The final design and locations for the clocks will be determined by representatives of the Senior Class Gift Committee and the Offices of Physical Plant and Campus Planning and Design.

The winning idea came from two seniors, Allison Meybohn and Jennifer Stern, who made separate proposals for street clocks.

About 1,700 seniors cast ballots during the week of Oct. 22-26 in-person and online — a

record for voting turnout — with 72 percent choosing to vote via the Web. The street-clock project won over two other items, a scholarship to support campus unity and an outdoor cafe/patio for the Career Services Building, with nearly three-fourths of the ballots being cast for the clocks.

Funding for senior class gifts is raised through members of the senior class pledging the balance of their general deposit. The University holds general deposits for each student to cover unforeseen expenses, fees and emergency costs.

Seniors have been making class gifts to the University for more than 100 years.

For a list of gifts from previous senior classes, check the Web at <http://www.development.psu.edu/WaysToGive/AnnualFund/seniorgiftlist.asp>.

2002 Senior Class Gift Historic Street Clocks Project



Private Giving

Continued from page 1

Years of steady growth in enrollment have resulted in about 5,000 University students pursuing a variety of life science majors across several academic colleges.

In addition, the Life Sciences Consortium, formed in 1995, now includes about 500 faculty representing seven academic colleges. The consortium aims to encourage research alliances across disciplinary boundaries and develop new approaches to applications of basic science.

Verne Willaman, a longtime donor to the Eberly College of Science, graduated from the University in 1951. He retired as an executive with Johnson and Johnson, the worldwide health products company, after 33 years of service. He has held a number of volunteer fund-raising leadership positions with the University.

Don and Marion MacKinnon are members of the University's class of 1948. Don MacKinnon retired as president and chief operating officer of Ciba-Geigy Pharmaceuticals in 1986. The MacKinnons' previous philanthropy has included gifts to the University Libraries and the College of Engineering.

Woodrow Hoch is a 1942 University graduate in chemistry. He retired as president of the Viscosity Oil Co., now part of Pennzoil. Sylvia Hoch graduated from Penn State in 1946 with a bachelor's degree in home economics and worked for many years as a dietitian with the Veterans Administration.

The 152,000-square-foot Life Sciences Building is expected to cost \$44 million. It will be located along Shortledge Road between the Thomas Building and Eisenhower Auditorium on the University Park campus. University funds will provide \$29 million, and the University is aiming to secure the remaining \$15 million from private donations.



Lectures

Industry leader to discuss hospitality business

Valerie Ferguson, regional vice president and managing director of Loews Philadelphia Hotel, will deliver the Penn State Forum lecture at noon Wednesday, Nov. 14, at The Nittany Lion Inn on the University Park campus.

Her topic is "Hospitality" in Our World."

Ferguson arrived in Philadelphia in 1998, with a mandate from Loews Corp. to direct the \$115 million conversion of the landmark Philadelphia Saving Fund Society Building into the luxury, convention-driven Loews Philadelphia Hotel.

The Forum is a lunchtime speaker



Valerie Ferguson

series offered by the Faculty Staff Club and is sponsored in part by the Penn State Bookstore. It is open to the public. Tickets are \$10 for members and \$12 for non-members and include lunch. Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center. Tickets will be on sale at the door on a first-come, first-served

basis.

Lunch begins at 11:30 a.m., followed by the speech and a question-and-answer session at noon.

For information, call (814) 865-7590.

Lecture topic will be collision of black holes

A free public lecture, titled "When Black Holes Collide," will be given at 2 p.m. Sunday, Nov. 11, in 100 Thomas Building on the University Park campus.

Pablo Laguna, professor of astronomy and astrophysics and physics, is the speaker for the second of the 2001-2002 Friedman public lectures sponsored by the Department of Astronomy and Astrophysics.

This year the theme is "Black Holes and Time Wars."

Laguna is a co-investigator and associate director of both the Center for Gravitational Physics and Geometry and the new Center for Gravitational Wave Physics, recently established at the University by the National Science Foundation. He has been on the faculty since 1992.



Pablo Laguna

Quantum mechanics in everyday life examined

Anthony J. Leggett, the John D. and Catherine T. MacArthur professor at the University of Illinois at Urbana-Champaign, will present the 2001 E.W. Mueller Memorial Lectures in Physics on Nov. 14 and 15 on the University Park campus. The series of two lectures is sponsored by the Department of Physics and the Eberly College of Science.

The first lecture, titled "Does the Everyday World Really Obey Quantum Mechanics?" is intended for a general audience and is free to the public. It is scheduled to begin at 8 p.m. Wednesday, Nov. 14, in 117 Osmond Laboratory. The second lecture will be a Department of Physics colloquium, "Superfluidity, Phase Coherence



Anthony J. Leggett

and the New BEC Alkali Gases," at 4 p.m. Thursday, Nov. 15, in 117 Osmond Laboratory.

Leggett is a theoretical physicist whose overall research program focuses on superconductors, superfluids, glasses and other condensed-matter systems. His work has shaped the understanding of normal and superfluid helium.

The Erwin W. Mueller Memorial Lecture in Physics honors the late Erwin W. Mueller, who was a member of the Department of Physics from 1952 until his death in 1977. For his numerous achievements, he was the first person at the University awarded the National Medal of Science.

Studies" series, sponsored by the Science, Technology and Society Program.

Nelson is a doctoral candidate in the American Studies Program at New York University and the Ann Plato fellow in American studies at Trinity College in Hartford, Conn.

Lecture looks at black power, sickle cell anemia

Alondra Nelson will give a lecture, titled "Spin Doctors: The Black Panther Party and Sickle Cell Anemia," at 4 p.m. Wednesday, Nov. 28, in 111 Wartik Building on the University Park campus.

The discussion is part of the "Contemporary Issues in Science and Technology

Symposium looks at wireless, Internet advertising

Analysis and discussion of the potentially powerful opportunities that exist for wireless and Internet advertising provide the focus for the 2001 Donald W. Davis Symposium, scheduled from 7 to 8:30 p.m. Monday, Nov. 12, in the HUB-Robeson Center Auditorium on the University Park campus.

The symposium features three panelists who bring different perspectives regarding the growing area of advertising at the convergence of the Internet and wireless telecommunications.

Panelists include: Perry Allison, vice pres-

ident of strategic alliances for SkyGo, a wireless marketing company; Owen Davis, founder of Sonata Inc., a venture-based wireless company; and Pamela Parker, who manages several publications covering the Internet advertising and marketing sector. Katie O'Toole of WPX-TV serves as moderator for the event, which is free to the public.

The Donald W. Davis Symposium, sponsored by the College of Communications, was established to provide an opportunity for the discussion of current issues related to advertising and its impact on society.

Belle of Amherst to be discussed at public lecture

Tim Dean, associate professor of English and interpretive teacher at the University of Illinois-Champaign-Urbana, will give a lecture, "Normalizing Emily Dickinson," from 4 to 6 p.m. Tuesday, Nov. 13, in the Penn State Room at The Nittany Lion Inn on the University Park campus.

A reception follows the lecture.

Dean's talk will explore the extent to which the poetry of 19th-century American cultural icon Emily Dickinson has been mainstreamed at the expense of its sexual subversiveness.

This is the second lecture of "Millennium, Approached: Queer Literary Studies in

the 21st Century: A Lecture/Discussion Series," organized by the Department of English. The series coincides with the Commission on Lesbian, Gay, Bisexual and Transgender Equity's 10th anniversary events, held this October, with the theme "A Decade of Pride: A Milestone on the Road to Equity."

For a schedule of upcoming speakers, go to <http://english.la.psu.edu> and check under "Forthcoming Events."

The lectures are free to the public. For information, call Vincent A. Lankewich at (814) 865-4383.

'Digital divide' talk leads off coffee hour series

Jorge Schement, professor of communications, will discuss "From Universal Access to Universal Service: Americans and The Digital Divide," at 4 p.m. Friday, Nov. 9, in 301 Steidle Building on the University Park campus.

Schement's lecture is part of the Department of Geography Coffee Hour Speaker series.

Other speakers are:

■ James McCarthy, assistant professor of geography, who will discuss "Globaliza-

tion, Scale and Democratic Participation in Environmental Governance," at 4 p.m. Friday, Nov. 16, in 301 Steidle Building; and

■ Henry Giroux, director of the Waterbury Forum in Education and Cultural Studies, who will discuss "Youth, Domestic Militarization and the Racial Politics of Zero Tolerance" at 4 p.m. Friday, Nov. 30, in 301 Steidle Building.

The hour begins with coffee and tea at 3:30 p.m.

Animal emotion topic for literature series

Marie Secor, associate professor in the Department of English, will speak on "Emotion and Rhetoric: Darwin's Earthworms and the Expression of Emotion in Animals" Nov. 19 as part of the Comparative Literature Luncheon series.

The luncheon is a weekly, informal lunchtime gathering of students, faculty and other members of the University community.

The events begin with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy something in Kern Cafeteria. Coffee and tea are provided. The events will begin at about 12:40 p.m. The events are free to the public.

For more information, e-mail Daniel Walden at dxw8@psu.edu.

Topic is biostimulants in turfgrass management

Gordan Kauffman, doctoral candidate in agronomy in the Department of Crop and Soil Sciences, will discuss "Biostimulants: What are they and where do they fit in Turf-

grass Management?" from 3:35 to 4:25 p.m. Nov. 9 in 101 Agricultural Sciences and Industries Building, University Park. For information, call (814) 863-1601.

Keep on top of the latest University news through the **Employee Newswire**. Just go to the Web at <http://newswire.psu.edu/> to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information.



More Lectures

ArtSTOR to be explained in Nov. 15 library talk

Donald J. Waters, program officer for scholarly communications for the Andrew W. Mellon Foundation, will speak about "The Development of ArtSTOR," from 9 to 10:30 a.m. Thursday, Nov. 15, in the Foster Auditorium, 101 Pattee Library on the University Park campus.

Under development by the Mellon foundation, ArtSTOR is an independent, not-for-profit organization that will develop, store and electronically distribute digital images and related scholarly materials for the study of art, architecture and other fields in the humanities. With an advisory board led by Neil L. Rudenstine, former president of Harvard University, ArtSTOR's mission will be to provide access to high-quality digital images and other relevant materials for

teachers, students and scholars at educational and cultural institutions.

Waters will describe the origins, mission, collection goals, legal issues, technical interface, metadata approach and related issues associated with this project. He also will demonstrate some of the features of the proposed system and discuss future prospects. Background information on ArtSTOR is available on the Web at <http://www.mellon.org/>.

The presentation, which is open to the public, is sponsored by the University Libraries' Visual Image User Study (VIUS) with assistance from the Andrew W. Mellon Foundation. For information, call Jim Frost at (814) 865-6697 or e-mail jxf17@psu.edu.

Examine barriers to Web-based instruction

Faculty and staff may attend an informal luncheon discussion on "Barriers to Adopting Web-Based Instruction," facilitated by David L. Passmore, professor of education and faculty fellow of Center for Educational Technology Services, and Pat Hinchey, director of the Royer Center. The luncheon will be held at noon Wednesday, Nov. 14, in the Faculty/Staff Club suite in the lower level of The Nittany Lion Inn on the University Park campus.

Possible thoughts for seeding a discussion about Web-based course delivery include reasons for using or not using, benefits and costs, personal and institutional resources needed to implement, rewards and incentives, and consideration of the University's new "Courseware" policy. The policy can be found on the Web at

<http://guru.psu.edu/policies/RA17.html>.

Before the lunch, participants are urged to check the Web at <http://classrooms.cets.psu.edu/TLCInch/>.

The conversation series is an initiative between The Teaching and Learning Consortium and the Faculty/Staff Club to promote thoughtful discourse. It is held at noon on the second Wednesday of each month in the Faculty/Staff Club suite. The series is open to all faculty and staff, including non-club members. Lunch is \$7 for the hot buffet and \$5.50 for soup, salad, and sandwich (beverage, tax and gratuity included). Non-club members will be charged \$2 additional over the club-account lunch price.

For information or to register, contact Tammy Homan at tschub@psu.edu or (814) 865-8563 by 9 a.m. Nov. 14.

BOOK SHELF

Gary Settles, professor of mechanical engineering and director of the Gas Dynamics Laboratory.

Schlieren and Shadowgraph Techniques: Visualizing Phenomena in Transparent Media, Springer-Verlag publishing firm.

The book, which provides a unified treatment of schlieren and shadowgraph

optical methods, is designed for scientists and technicians who want to use these optical methods. Schlieren techniques are basic and valuable tools in a range of scientific and engineering disciplines. They allow otherwise invisible light refractions (phase differences) in transparent media to be seen and recorded.

COURSES

Health Matters

Health Matters is offering a class called Know Your Daily Requirements and How to Get Them from noon to 1 p.m. Nov. 15 in 330 HUB-Robeson Center on the University Park campus. Wendy Bollinger,

registered dietitian, will discuss what daily requirements are, how to get them and the importance of eating foods that provide high quality nutrients. To register call Health Matters at (814) 865-3085 or register online at <http://www.ohrpsu.edu/health/home.htm>. Cost: \$5.

Parameters of print



Robin Gibson, associate professor of art, center, shows different examples of printmaking to some of her Art 340 students. At left is John Kovach, who is studying printmaking, and at right is Phil Zimmerman, who also is studying printmaking.

Photo: Greg Grieco

NEWS IN BRIEF

Tax reminder

All non-resident aliens claiming exemption from federal income tax based on a tax treaty need to complete IRS Form 8233 each tax year. A copy of the I-20 or IAP-66 (whichever is applicable), plus an original "Revenue Procedure 87-9" (for lecturers, researchers or teachers) or "Revenue Procedure 87-8" (for students, trainees or graduate assistants) needs to be attached to Form 8233.

The forms can be obtained from the Payroll Office, 307 Rider Building; International Students and Scholars, 222 Bouckee Building; or the Financial Office in each college. Form 8233 also is available on the University's GURU Web site at <http://guru.psu.edu/Central/payroll/data/8233.pdf>. The Revenue Procedure forms are found on GURU at <http://guru.psu.edu/CENTRAL/PAYROLL/NEWS/FORMNOTE.html#87-8>.

The forms should be completed and received in the Payroll Office by Dec. 3.

New teaching resource

The Schreyer Institute for Innovation in Learning recently launched the Active Learning Exchange (ALEX), an online database of active learning strategies found at <http://www.inov8.psu.edu/toolbox/alex>.

Searchable by keyword, student level, class size and core competencies for general education requirements, ALEX includes reference literature and, where appropriate, suggestions of compatible student performance measures. ALEX also includes practical advice for implementation.

The idea and structure of ALEX is the

creation of Jill Lane, program manager for instructional design at the Schreyer Institute. Motivated by her experiences collaborating with faculty on their general education recertifications, Lane began collecting materials in January. With help from Schreyer Institute colleague Christine Rernley and with programming support from the Center for Education Technology Services, Lane launched the core of ALEX in October.

Blood donor challenge

The Red Cross invites the Penn State community to join in the eighth annual Penn State-Michigan State Blood Donor Challenge, going on now through Nov. 19. The school with the most blood donations will be announced at the Penn State-Michigan State football game, Nov. 24.

To date, Penn State has won five donor challenges and Michigan State has won two donor challenges. These challenges help the Red Cross build blood inventories for the final six weeks of the year, at a time when the blood supply is especially hard to maintain. Organizers hope to raise about 1,900 units of blood for the region's hospitals. For a schedule of the challenge drives visit <http://chapters.redcross.org/pa/stool/CommBld.htm>.

For the Record

Thanks to a grant from the Institute of Museum and Library Services, the Palmer Museum of Art will be able to update its collection database, add images and put it online. A story about the grant, which appeared on page 6 of the Oct. 25 *Intercom*, contained an incorrect reference to the museum.



Arts & Entertainment

Dance, theatre performances

Two showcases featuring dance and theatre are scheduled at Penn State Abington.

The annual fall dance concert, featuring members of Penn State Abington's dance troupe, will be performed at 8 p.m. Nov. 15 and 16 on the Mezzanine of the Physical Education Building.

Tickets are \$5 for adults and \$1 for children under 12 years of age.

The Penn State Abington Theatre Group Showcase will present Ntozake Shange's "for colored girls who have considered suicide / when the rainbow is enuf" at 8 p.m. Nov. 29 through Dec. 1 and 2 p.m. Dec. 2 in the Sutherland Auditorium, Helen Buck O'Neill Stage.

Tickets are \$8 per person. A free preview and open dress rehearsal will be held Nov. 29.

For information, call (215) 881-7368.

Silent movie lecture

The magic of silent movies and organ music will be featured during a lecture and recital at 2 p.m. Sunday, Nov. 18, in the Sutherland Auditorium at Penn State Abington.

"Broken Blossoms," starring Lillian Gish, will be the focus of a lecture by Moylan C. Mills, professor emeritus of integrative arts. Organist Wayne Zimmerman, who has played theater organs from coast to coast, will provide the music using an authentic theater organ.

The concert is free to the public.

For information and reservations, call (215) 881-7368.

'Promise of a Love Song'

The Center for the Performing Arts presents "Promise of a Love Song" — a trio of cultural perspectives woven into a musical play — at 8 p.m. Saturday, Nov. 10, in Eisenhower Auditorium on the University Park campus.

"Promise of a Love Song" brings together three distinctly different theater companies in a collaboration aimed at helping to transcend hatred, violence, prejudice and discrimination at the University and in the community. The three-part play features Pregones Theater, a Puerto Rican cultural group based in the Bronx; Junebug Productions, an African-American company from New Orleans; and Roadside Theater, which mines the heritage of the central Appalachians from its home along the Kentucky-Virginia border.

Prices are \$20 for general audience members, \$15 for students; \$5 for University Park students; and \$10 for chil-



This artwork by Tyler Hewitt is part of the "Conceptual Counterpoints" exhibition of mixed-media work on display in the McLanahan and Sheetz Galleries in the Community Arts Center at Penn State Altoona. The exhibit continues through Dec. 14.

dren 12 and younger. For tickets, group sales or information, call the Arts Ticket Center at (814) 863-0255 or (800) ARTS-TIX, or check the Web at <http://www.cpa.psu.edu/>. Live audio description is available at no additional charge to ticket holders.

Fall concert

The Penn State University Choir, under the direction of Tony Leach, assistant

professor of music, will perform its annual fall concert at 5 p.m. Sunday, Nov. 11, in Esber Recital Hall, Music Building I, on the University Park campus. The theme of the concert is "A Call to Remembrance" and is dedicated to the memory of the victims of the Sept. 11 tragedy in New York City, Washington, D.C., and Shanksville. Tickets are \$2 for students and \$4 for non-students and may be purchased in advance or at the door.

Bach's Lunch

Essence of Joy will perform selections from its program "Time for Healing" as part of the Bach's Lunch concert at 12:10 p.m. Thursday, Nov. 15, in Eisenhower Chapel on the University Park campus.

Student soloists will include Keith Morris, Alana Arbe-Blakey, Ingrid Perez and Fran Betlyon. Tony Leach, assistant professor of music, is director of Essence of Joy, which is celebrating its 10th anniversary during the 2001-2002 academic year.

In addition, the Penn State Mallet Ensemble will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Nov. 29, at the same location. The ensemble is under the direction of Dan Armstrong, professor of music.

The free, 20-minute concerts are sponsored jointly by the Lutheran Student Association and the School of Music. After the concert, audience members may take their bag lunches to the Memorial Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Opera Theatre

The Penn State Opera Theatre will feature scenes from a new opera by Victoria Bond, "Mrs. Satan," in its fall scenes production, "Opera Intermezzo" on Thursday, Nov. 15, Friday, Nov. 16, and Saturday, Nov. 17, in Esber Recital Hall, Music Building I, on the University Park campus. Each performance will begin at 8 p.m.

This reading of portions of "Mrs. Satan" is staged by Susan Boardman, director of the Penn State Opera Theatre. The program also includes scenes from other productions. Tickets are \$4 and may be purchased at the door or by calling (814) 865-0431.

Portrait exhibit

A new exhibit, "When Two or More Are Gathered Together: Groups and Composite Images from the B. and H. Henisch Photo-History Collection," is on display through March 30 in the University Libraries' B. and H. Henisch Photo-History Collection Exhibit Room, 201A Pattee Library on the University Park campus. The exhibit features mid-19th to early-20th-century portraits of couples and groups and includes daguerreotypes, tintypes, cartes-de-visite (photographic portraits mounted on 3.5-by-2.25-inch cards), prints on paper and photo albums.

For more information, contact Ann Copeland at auc1@psu.edu or (814) 865-1755. For more on the Henisch collection, check the Web at <http://www.libraries.psu.edu/crsweb/speccol/henisch.htm>.



University Park Calendar

November 9 - November 18

SPECIAL EVENTS

Friday, November 9

"The Crucible," 8 p.m., Pavilion Theatre, through Nov. 17.

Sunday, November 11

Hispanic Heritage Month Children's Day, 1 to 5 p.m., Heritage Hall, HUB-Robeson Center.

Wednesday, November 14

"Dress for Success," business fashion show, 7 p.m., Mars Room, East Halls.

Friday, November 16

"Henry Pearson: The Poetry of Line," gallery talk by Patrick McGrady, noon, Christoffers Lobby, Palmer Museum of Art.

MUSIC

Saturday, November 10

"Promise of a Love Song," 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Sunday, November 11

Bob Dylan, 7:30 p.m., The Bryce Jordan Center.

SEMINARS

Friday, November 9

Bernd Bruggmann on "Gravitational Waves from Black Hole Mergers," 11 a.m., 318 Osmond Laboratory.

Yuri Dokshitzer on "How Strong Is Strong Interaction?" 3:30 p.m., 21D Davey Laboratory.

Gordan Kaufman on "Biostimulants: What are They and Where do They Fit in Turfgrass Management?" 3:35 to 4:25 p.m., 1D1 Agri-cultural Sciences and Industries.

Jorge Schement on "From Universal Access to Universal Service: Americans and the Digital Divide," 4 p.m., 3D1 Steidle.

Sunday, November 11

Pablo Laguna on "When Black Holes Collide," 2 p.m., 1D1 Thomas.

Monday, November 12

James Leighton on "Tandem Reactions with Strained Silacycles," 1:15 p.m., S5 Osmond Laboratory.

Perry Allison, Owen Davis and Pamela Parker on wireless and Internet advertising, 7 to 8:30 p.m., HUB-Robeson Center Auditorium.

Tuesday, November 13

Troy Strubel on "Shear Instabilities in Granular Flows," 3:30 p.m., 339 Davey Laboratory.

Matt Strassler on "Soft Strings and the Hard Heart of Gauge Theory," 3:30 p.m., 318 Osmond Laboratory.

James E. McClellan III on "Pictures at an Exhibition of Colonial Science," 4 p.m., 1D2 Weaver.

Tim Dean on "Normalizing Emily Dickinson,"

4 to 6 p.m., The Nittany Lion Inn.
Kara Bren on "Stability and Dynamics of a Ther-mophilic Cytochrome c," 4 p.m., S5 Osmond Laboratory.

Wednesday, November 14

Valene Ferguson on "Hospitality" in Dur World," 11:30 to 1 p.m., The Nittany Lion Inn. For tickets, call (814) 865-7500.

David L. Passmore and Pat Hinchey on "Barrier to Adopting Web-Based Instruction," lunch-noon discussion, noon, The Nittany Lion Inn. To register, call (814) 865-8563.

John Whelan on "Tidal Interaction in Binary Black Hole Inspiral," 1 p.m., 318 Osmond Laboratory.



Brian Caplan (John Proctor) and Juliet Anastasia Hicks (Elizabeth Proctor) are shown here in the School of Theatre's production of "The Crucible," by Arthur Miller. The play will take place at 8 p.m. Nov. 9-17 in the Pavilion Theatre on the University Park campus.

Photo: Greg Grieco

Marie Cosgrove on "Mapping New Worlds: 16th Century Cosmographies," 3 p.m., Palmer Museum Auditorium.

Randall M. German on "Computer Modeling of Net Shape Processes," 3:35 p.m., 114 Earth and Engineering Sciences.

Tony Leggett on "Does the Everyday World Really Obey Quantum Mechanics?" 8 p.m., 117 Osmond Laboratory.

Thursday, November 15

Donald J. Waters on "The Development of Art-STD," 9 to 10:30 a.m., 1D1 Pattee Library.

Denis Cosgrove on "Globalism and Tolerance in Early Modern Geography," 11 a.m., 12 Sparks.

Tony Leggett on "Superfluidity, Phase Coher-ence and the New BEC Alkali Gases," 4 p.m., 117 Osmond Laboratory.

Friday, November 16

H.M. Collins on "The Sociology of Upper Limits in Gravitational Wave Research," 11 a.m., 318 Osmond Laboratory.

James McCarthy on "Globalization, Scale and Democratic Participation in Environmental Governance," 4 p.m., 3D1 Steidle.

Marie Arana on "American Chica: Two Worlds, One Childhood," 6 to 9:30 p.m., Carnegie Cinema.

EXHIBITS

HUB-Robeson Center

"Seeing the World Through Women's Eyes," black and white photography by Kathleen Karp, through Dec. 6.

"Heartdreams and Legends: Story of Two Peo-ples," through Dec. 4.

Ceramics by Ian Strainton, through Dec. 6.

Ceramics by Chen Yarnell, through Dec. 6.

Ceramic sculpture by Roger Pollock, through Dec. 6.

Kern exhibit area

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," photography by Robin Hoecker, through Dec. 5.

Etchings by Enrica Ruiz, through Dec. 5.

Palmer Museum of Art

"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," through Dec. 16.

"The Poetry of Line: Drawings by Henry Pear-son," through Nov. 18.

"American Pastorate: Drawings by John F. Kensett," American Works on Paper Gallery, through Dec. 21.

Patties and Paterno Library exhibit areas

"German-American Crosscurrents at Penn State: Celebrating a Century," through Jan. 3.

"Fred Waring and Patriotism," through Nov. 23.

"When Two or More are Gathered Together: Groups and Composite Images from the B. and H. Hensisch Photo-History Collection," through March 30.

Waring Commons

Prints by Rachel Simon, through Dec. 3.

Warnock Commons

Paintings by Kevin Slivka, through Dec. 2.

For a full listing of University Park activities, including sporting events, go to the Web at <http://ccc.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

That's why they call it 'fall'



Workers from the Office of Physical Plant rake up and remove the fallen leaves on the University Park campus. Although some of the trees are stubbornly hanging onto their foliage, the majority are greeting November with bare limbs.

Photo: Greg Grieco

Staff selected for weeklong internships

Nine Penn State Outreach and Cooperative Extension staff members have been selected as Outreach and Cooperative Extension interns for 2001-02.

They were chosen by a selection committee based on their goals and objectives for the internship, their ability to provide leadership for outreach activities at the University and the potential for the internship to help them make a significant contribution to the University's outreach goals.

Faculty and staff members throughout the University who have been actively and directly involved in outreach activities were eligible to apply for the one-week program. The program provides participants with an enhanced understanding of the resources and programs within the Outreach and Cooperative Extension partnership and other outreach programs in the University. It also provides an opportunity to explore new relationships that can be developed between the intern and other outreach units.

Each intern designs an individualized program focusing on one or more areas of interest within the scope of outreach and then submits a report of the experience.

The interns are:

- Norman "Tut" Bailey, marketing associate, Outreach Office of Marketing Research, who will focus on gaining greater knowledge and understanding of the World Campus;
- Mary Christine Bebech-Pipic, staff assistant to the regional director, Southwest Region, Cooperative Extension and Outreach, who will focus on increasing her knowledge of the overall operation of Cooperative Extension and Outreach;
- Angelique H. Caffrey, continuing edu-

cation representative, Williamsport Center for Continuing Education, who will focus on learning more about distance education opportunities and the World Campus;

■ Chris Dufour, senior conference planner, Conferences and Institutes, Division of Continuing Education, who will focus on broadening his knowledge of regional Outreach and Cooperative Extension administrative units, their missions and constituents, and the partnerships they have established;

■ Mary Alice Gettings, nutrition and health agent, Penn State Cooperative Extension, Beaver County, who will focus on increasing her knowledge of the communication opportunities available within Outreach and Cooperative Extension;

■ Darlene Jury Kim, staff assistant to the regional director, South Central Region, Cooperative Extension and Outreach, who will expand and strengthen her knowledge about the outreach mission;

■ Robin L. Kuleck, extension family living agent, Cooperative Extension, McKean County, who will focus on developing a clearer understanding of University outreach partners;

■ Gregory Petersen, managing producer of community services, Penn State Public Broadcasting, who will focus on exploring the possibilities for partnerships between Penn State Public Broadcasting and other Outreach and Cooperative Extension units; and

■ Nancy B. Stevens, county extension director and family living agent, Cooperative Extension, Montgomery County, who will focus on learning more about the marketing aspects of outreach programs.

Nominations sought for Administrative Fellows Program

Applications and nominations are being sought for the Administrative Fellows Program for 2002-2003. Three fellows will be selected; mentors will be William A. Asbury, vice president for Student Affairs; Rodney A. Erickson, executive vice president and provost; and Darrell G. Kirch, senior vice president for Health Affairs, dean of the College of Medicine and chief executive officer of Hershey Medical Center.

The Administrative Fellows Program, a joint program of the Office of the President and the Commission for Women, provides career development opportunities for faculty and staff. By serving under the mentorship of a senior-level administrator, Fellows who are seeking the background necessary to compete at higher levels of administration will have an opportunity to broaden their perspectives and experience.

Specific objectives of the program are to increase the Administrative Fellows' awareness of the complexity of issues facing higher education and to enhance their understanding of the environment in which decisions are made; to provide opportunities for Administrative Fellows to participate in a wide range of decision-making processes and learning activities to better equip them to understand the challenges of higher education administration; and to provide the opportunity to observe a variety of leadership styles. Although completion of the program does not guarantee appoint-

ment to an administrative position at the University, people who complete the program increase the pool of qualified candidates.

To apply, nominees must hold full-time faculty or staff positions; have demonstrated success in current positions and interest in an administrative career; demonstrate evidence of leadership experience and decision-making ability; have the ability to relate effectively to students, faculty and staff; exhibit a commitment to diversity; and have a willingness to accept a wide variety of assignments.

Faculty and staff meeting these qualifications at all University locations are strongly urged to apply. Successful candidates will be placed on a leave of absence from their current positions and continue to receive a regular salary. The starting dates of each fellowship may vary depending on the office and the Fellow's commitments.

A screening and interview committee will recommend candidates to the mentors. Serving on the committee are past Fellows and representatives from the Commission for Women, Office of the Vice Provost for Educational Equity, Office of Human Resources and the Office of the President.

Applications are available from Kathryn Boynton in 201 Old Main, University Park, or online at <http://www.psu.edu/oldmain/sprow/> and should be returned to Robert Secor, 201 Old Main, no later than Jan. 14.

OBITUARY

Robert D. Shipman, professor emeritus of forest ecology, died Oct. 19, at the age of 80.

Shipman received a bachelor's and a master's degree in forestry from the University of Michigan, and a doctorate in forest ecology from Michigan State.

During World War II, Shipman served four years in the Army Air Corps as an aviation engineer. He was awarded many medals during his service including the Asiatic Pacific Theater Medal with three Bronze Stars.

After seven years as a research forester for the United States Forest Service in Charleston, S.C., and five years at Clemson University teaching forestry, Shipman joined the forest resources department at Penn State in 1963. He retired in 1990.

In 1995, Shipman was named Volunteer of the Year for service to the community.

Wet paint



George Flood, who works in the Office of Physical Plant renovations department, swipes a paint brush along a stairwell in the Osmond Lab on the University Park campus.

Photo: Greg Grieco

NEW AT PENN STATE

IST lab, computer upgrades benefit DuBois students

Students at Penn State DuBois are benefitting from a number of technology upgrades, including a new laboratory for the Information Sciences and Technology (IST) program.

Built at a cost of \$102,000, the IST lab is dedicated to the IST associate degree program recently launched at the campus.

The new lab features 20 personal computer workstations for student use, each designed to simulate the real-life work climate.

The new lab is just one of many upgrades made over the summer months at the campus. Other upgrades include a new file server running Windows 2000 Server with Active Directory to support the student computer labs. In addition, all of the workstations have been upgraded with new software, including Windows

2000 Professional and Office XP.

Disk space for faculty has been added to the file server so students can access more of their course materials over the student PCs. Headphones have been added to all computers in the student labs to make the environment quieter and more user-friendly and to enable students to take part in audio-conferencing.

Projection systems in the campus auditorium and multi-media room also are being upgraded to improve these facilities.

Campus-wide improvements include the addition of a new help desk to which students, faculty and staff can direct their computing questions, and the installation of a new authentication process means students now need just one account and password to access all campus and University Park services over the computer.

Finally, a new centrally managed virus protection system has been installed to serve the entire campus computer system.

PARTINGS

Transitional leader retires after 33 years

John L. Leathers, associate vice president emeritus of the Commonwealth Educational System, has retired after 33 years of service to the University.

Leathers has been called upon many times to apply his leadership skills during various University administrative transitions. The most recent examples were in 2000 when he served as interim dean of the Commonwealth College, and in 1999 as interim provost and dean of the Capital College.

Leathers began his career in higher education in 1957 at Muskingum College, New Concord, Ohio, as dean of men and assistant professor of education and psychology, and continued as dean of students and assistant to the president.

In 1968, Leathers joined Penn State as the director of Penn State Altoona. He moved to University Park as administrative director of the Commonwealth Campus System when it was formed in 1975. He was appointed assistant to the vice president and dean of the Commonwealth Educational System when the CES was formed in 1980. Along with the other responsibilities of the position, he served as acting director of what was then the University's systemwide Division of Continuing Education from 1980 to 1985.

Other positions Leathers held with the University include: 1987, assistant vice president



John L. Leathers

of the CES; 1991, associate vice president of the CES; 1998, associate vice president for research, special projects; and 1999 through 2001, special assistant to the executive vice president and provost, special projects.

Additional highlights of Leathers' career include: being the first director (acting) of the Advanced Technology Center of Central and Northern Pennsylvania (Ben Franklin Program); serving on the advisory board of the Applied Research Laboratory; acting as the University's liaison with Ukraine's National Academy of Sciences and with the Kent County Council in the United Kingdom; and chairing the University's Task Force on Intellectual Property Policies and Procedures.

Leathers was re-hired on Aug. 15 to continue temporarily as special assistant to the executive vice president and provost, special projects, and is assisting the Applied Research Laboratory with the further development of the Institute on Emerging Defense Technologies, particularly involving civilian law enforcement agencies both nationally and internationally.

Leathers holds a bachelor's degree in mathematics and sciences from Clarion University, and a master's degree in counseling education and psychology and a doctoral degree in higher education from Penn State.

Policy professor says farewell after 31 years

Robert J. Bresler, professor of public policy in the School of Public Affairs at Penn State Harrisburg, has retired after 31 years of teaching.

Bresler was affiliated with the University from September 1969 through this past June.

Bresler has written and commented on American cultural life in his column in the magazine *USA Today: The Magazine of the*

American Scene. His most recent book, *Us vs. Them: American Politics and Cultural Conflict from World War II to Watergate* was published last year by SR Books.

In addition to his writing and teaching, Bresler chaired the School of Public Affairs' current strategic planning committee and chaired the college's promotion and tenure committee.

Excellence award nominations sought

A call has gone out for nominations for the 2002 President's Award for Excellence in Academic Integration. The award honors those faculty members who have exhibited extraordinary achievement in the integration of teaching and research or creative accomplishments, and service. It carries a prize of \$3,000.

The 2001 recipient will be recognized at the University Awards Program on Monday, March 25.

Nominations are being solicited from the academic deans and should include evidence of superior teaching (including student letters and evaluations); research or creative accomplishments; and service to the University, public and/or profession. A

curriculum vita and supporting letters, from professional colleagues internal and external to the University, should speak to the candidate's major achievements.

Letters from the dean of the college and the department head, or other appropriate academic administrator, should speak to the candidate's ability to integrate all aspects of his or her academic life.

Nominations should be sent to Regina Vasilos-Younken, chair of the Selection Committee for The President's Award for Excellence in Academic Integration, 201 Old Main, University Park, Pa. 16802. The deadline for nominations is Jan. 7.

For more information, call Robert Secor at (814) 863-7494 or e-mail rsx2@psu.edu.

Administrators focus on diversity at seminar

By ALLISON KESSLER
Public Information

University administrators, including the President's Council, college deans and department heads focused on building collaborative and diverse communities as they met to discuss furthering the University's commitment to enhance diversity, in a one-day seminar held Nov. 1 at The Nittany Lion Inn on the University Park campus.

"Local events at University Park last year, and national and international events on and since Sept. 11, make the need for us to build such communities and have them work collaboratively all the more evident," said Robert Secor, vice provost for academic affairs.

Terrell Jones, vice provost for educational equity, discussed strategic evaluation of campus diversity, including race, gender, sexual orientation and religion, at the meeting.

"This session was contracted as part of the new plan to enhance diversity and designed to give senior administrators an opportunity to talk about diversity initiatives and the improvements we can make to our whole campus culture," Jones said.

In his evaluation of the dimensions of campus diversity, Jones noted the University community needs to continue to focus on campus climate, but also must start taking a look at the educational environment.

James Stewart, a senior faculty mentor who was called upon during the heightened tensions in 1988 as well as last spring, noted a lack of institutional learning that occurred between the two time periods. "We need to change the institutional culture. All of us have a role and need to really take the process seriously. We must understand students' culture and identity."

In addition, Stewart said student activism often is motivated by racial violence.

"Racial violence is a serious problem that is growing. But students understand much better than we do that curriculum does matter."

The University's current diversity requirement is being revamped to integrate concepts, issues, events and themes from the perspectives of diverse ethnic and cultural groups. Ultimately, said John Nichols, chair of the Uni-

versity Faculty Senate, the University will achieve the highest level of integration of multicultural content to enable students to apply diversity learning to real-world problems.

"Our major goal is to develop minds, not just fill minds," Nichols said. "We want to develop intellectual skills of comparative analysis and emphasize active learning rather than passive acceptance."

Syedur Rahman, research associate and program director of the Humphrey Fellowship Program, reiterated these thoughts with viewpoints from both Muslim and Arab student associations. This community discovered, through its crusade for understanding following the Sept. 11 attacks, the importance of educational programming.

"Our message is not to call for peace or stop war," he said. "The main purpose is to educate and learn about living together in a welcoming environment."

In addition to the important perspective on the dynamics of diversity at the University provided by insiders, Secor stressed the importance of enlisting the advice of an outside source as he introduced Marilyn Gist, Boeing endowed professor of business management and professor of management and organization at the University of Washington.

In her presentation, Gist emphasized that the most vital part of understanding comes with the recognition of self-worth.

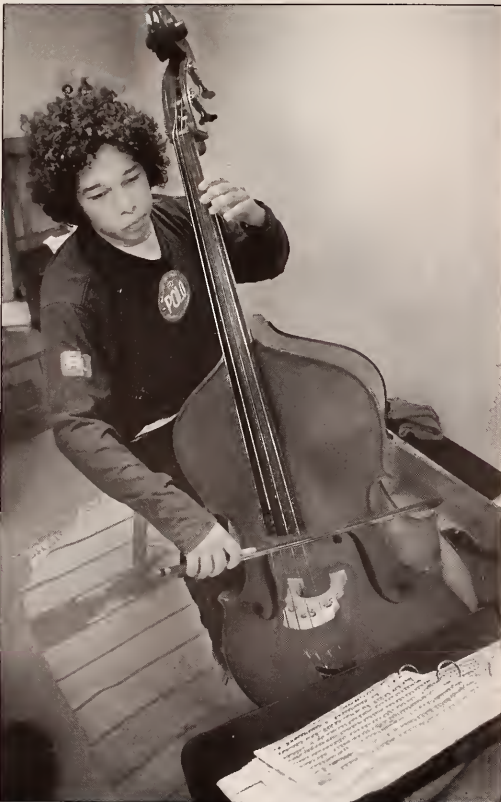
"Racism is a systematic treatment of one group as less than another. Those who are treated that way will feel indignant. They value that uniqueness they bring and want to see it valued in a larger sense. Actions that deny there is an adverse impact inflame people when they see it."

"The No. 1 issue at stake, according to Gist, is dignity. She said the challenge is not simply tactical but requires an emotional commitment."

"We won't succeed just by having a diversity requirement. The bottom line is in terms of valuing uniqueness and part of that means broadening our definition of excellence."

Allison Kessler can be reached at
akessler@psu.edu.

Ace of bass



Justin Dorsey practices the bass in the Music Building II on the University Park campus. He's a member of the Penn State Philharmonic Orchestra and has been playing for the past eight years.

Photo: Greg Greco

External reviewing team finishes evaluation of University's diversity efforts, programs

A team of external reviewers has completed a three-day visit to the University, conducting an independent evaluation of affirmative action and the diversity programs at the University. The three reviewers met with senior administrators; academic deans; campus administrators; faculty; a wide variety of student organizations; staff from the Affirmative Action, Student Affairs and Educational Equity offices; representatives of the Commission for Women, Commission on Lesbian, Gay, Bisexual and Transgender Equity and the

Commission on Racial and Ethnic Diversity; college minority program directors; and the Forum on Black Affairs.

"The team's purpose was to gather as much input as possible about the programs and services available here and about the perceptions of students, faculty and staff about the positive and negative aspects of current efforts at the University," said Janis Jacobs, vice president for administration, who coordinated the visit. The final report is expect-

ed to be completed by the end of fall semester.

Team members are: Eric J. Jolly, vice president and senior scientist at the Education Development Center; Shirley Malcolm, head of the Directorate for Education and Human Resources Programs of the American Association for the Advancement of Science; and Paulette Granberry Russell, senior adviser to the president for diversity and director of Affirmative Action, Compliance and Monitoring at Michigan State University.



Focus on Research

Interactive video visits aid home patients

By BARBARA HALE
Public Information

A University-led study has shown that substituting interactive video sessions for up to half of a visiting nurse's in-home meetings with post-surgical or chronically ill patients can be a cost-effective way to provide care.

The study is the first to identify the specific costs associated with the new technology and to show that while the new approach imposes additional initial expenses for care delivery, it contributes substantial savings without compromising quality.

Kathryn Dansky, associate professor of health policy and administration, led the study. "Video visits are not a complete substitute for in-home nursing care," she said. "You are always going to need home visits because patients benefit from the personal touch."

However, the team found that over a typical 60 days of care, savings of \$300 per patient could be achieved by substituting video visits for seven in-home visits and \$700 per patient was saved if half of the visits were made via advanced communication technology.

The sources of savings include less travel time and travel costs, fewer travel accidents, less car theft and the ability to see more patients in the same amount of time.

The researchers included Dansky, Lisa Palmer, who earned her doctorate in health policy and administration at Penn State; Dennis Shea, professor of health policy and administration; and Kathryn H. Bowles, assistant professor of nursing at the University of Pennsylvania.

Skilled nursing care in the home requires a registered nurse to drive to the patient's residence, conduct examinations and assessments, provide patient care and education and then drive to the next patient's house. The process is time consuming, dangerous at times for the nurse and expensive.

To see if new technology could help both patients and nurses without incurring additional costs, the researchers initiated a 24-month evaluation of the use of telecommunication as a supplement to skilled nursing



Kathryn Dansky, associate professor of health policy and administration, demonstrates how a stethoscope and a video camera can help visiting nurses check up on homebound patients from a distance.

Photo: Greg Grieco

visits for people with diabetes. Called the TeleHomeCare Project, the effort was a partnership of Penn State, American Telecare Inc. and the Visiting Nurses Association of Greater Philadelphia, a large, urban, home health agency. A group of 171 diabetic patients discharged from the hospital and referred to the association participated in the study. Half of them were randomly assigned to receive a patient telecommunication station in their homes while the remaining patients received traditional in-home nursing visits. The patient station included a computer and monitor equipped with two-way voice capability and a video camera. A blood pressure cuff and stethoscope were also attached to the computer.

Using the patient station, which works over ordinary phone lines, the patient could see and talk with the nurses. The system also allowed the nurses to see and hear the patients and to take temperature and blood pressure measurements, listen to heart and lung sounds and discuss diet and blood sugar results.

Patients who used the telecommunication system scored higher on positive outcomes of treatment, had fewer re-hospitalizations and fewer visits to hospital emergency rooms. Dansky noted that, in general, the patients liked working with the telecommunication equipment. The stations gave patients a sense of security because they could keep in touch with their nurse at all times.

Dansky sees many possibilities for broader application of the telecommunication systems. She is currently working with Sun HomeHealth to study whether the systems can aid nurses in helping patients manage their medications especially when there is a danger of drug interactions. She also sees the possibility of physical therapists using the system to supervise family members or aides who are helping patients exercise in the home. Dieticians also could use the system to supervise meal planning and preparation.

Barbara Hale can be reached at
bah@psu.edu.

Study: Perceptions of justice vital to workplace ethics

By STEVE INFANTI
Smeal College of Business Administration

Many organizations are devoting substantial resources to formal ethics programs in efforts to discourage unethical behavior, but a new study shows that the success of those efforts will depend in part on whether employees perceive that their organization treats people in a generally fair way.

"Perceptions of organizational justice not only reduce a broad range of unethical behaviors that can harm the organization, but they also increase helpful behaviors, particularly employees' willingness to cooperate with the goals of organizational ethics programs by reporting ethical problems to management," according to Linda Trevino, professor of organizational behavior and chair of the Department of Management and Organization in The Smeal College of Business Administration.

Trevino co-authored an empirical study of four large corporations on the topic with Gary R. Weaver of the University of Delaware.

"When they perceive the organization to be unfair, employees engage in harmful unethical behavior in order to rebalance the scales of justice and improve their own outcomes at the organization's expense, by stealing for example. However, when they perceive that the organization treats employees fairly, they give back by going above and beyond the call of duty to help management, by reporting ethical problems," Trevino said.

This study found that employees' perceptions of ethics program follow-through decreases unethical behavior and increases the extent to which employees will support an ethics program.

Trevino noted that the impact of such follow-through is even higher when employees perceive the organization to be unfair. When employees perceive unfair treatment, they are motivated to rebalance the scales of justice. Therefore, company efforts to act on ethical problems have even greater impact.

The randomly selected sample for the study was drawn from a large survey of ethics/compliance management in four companies with formal ethics/compliance programs in place: a utility company, a telecommunications company and two energy-related companies.

For more of this story, go to
<http://www.smeal.psu.edu/news/depth/october01/percep.html>.

Spontaneity, access is the key to e-learning process

E-learning's real potential as a tool for developing leaders is around interactivity and networking, but accomplishing its potential is going to take dynamic e-platforms, a University professor said.

"Everyone sees the potential of e-learning, but the movement forward is at a glacial pace at this point. What people are

looking for in a learning experience is the opportunity for learning and exchange," said Al Viciere, professor of Strategic Leadership in the Smeal College of Business of Administration.

He envisions a new role, called an e-coach or personal learning consultant. Such an adviser diagnoses each learner's

developmental needs and connects them to the right resources, based on his or her time, budget, bandwidth and personal needs. The entire relationship may be conducted online.

For more of this story, see <http://www.smeal.psu.edu/news/depth/october01/access.html>.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial assistant/calendar

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Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

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One road closes, another opens



Halloween brought more than trick-or-treaters to the University Park campus. On Oct. 31, the new Curtin Road entrance to the campus from Atherton Street opened to traffic, above, while the old Pollock Road-Atherton Street intersection closed for good, left and below. The changes were made to accommodate construction of the new Information Sciences and Technology Building. For details, see page 1 of the Oct. 25 issue of *Intercom*.

Photos: Greg Grieco





Intercom

INFORMING THE PENN STATE COMMUNITY

JAN - 3 2002

NOVEMBER 15, 2001

ARL's new Navy contract is longest, largest ever

By BARBARA HALE
Public Information

The U.S. Department of Navy, Naval Sea Systems Command, has awarded the Applied Research Laboratory (ARL) an unprecedented 10-year contract with a basic cost ceiling close to \$369 million for the first five years and an optional cost ceiling of nearly \$445 million for a second five-year period.

"A contract that extends for a decade is unprecedented and shows the degree of

confidence and respect that the Navy has for both the Applied Research Laboratory and Penn State," said L. Raymond Hettche, ARL director.

He added, "As an indefinite delivery/indefinite quantity type of agreement, specific orders will be issued as requirements and funding are identified."

The new contract, which extends from Nov. 1 until Oct. 31, 2011, is not only the longest ARL has ever received since it was founded in 1945, but also the largest.

The contract notes that "the Navy relies

upon ARL/PSU to provide engineering, research, development and test and evaluation capabilities. Each of these capabilities is determined to be essential to the support of specific programs managed by different technical sponsor organizations."

ARL, which has been called a "national treasure" by the Navy and other government agencies, has broad capabilities in undersea technology including guidance, control, simulation and modeling; advanced

ARL, page 2

Get the facts — they're all online

Did you know?

■ Penn State has the largest Alumni Association in the country.

■ Penn State ranks second in the country in industry-sponsored research.

■ Total enrollment has increased fourfold since 1960 — from 20,816 in 1960 to 81,704 in 2001.

■ Minority enrollment has increased each year in the last decade, to a total of 10.8 percent of the student body.

■ The University awarded 16,313 degrees in 2000-01.

■ A total of 602 new faculty positions have been added since 1996-97 — 328 at University park and 274 at other campus locations.

■ The University's total budget is just under \$2.3 billion for 2001-02.

■ Penn State is requesting an appropriation increase of \$25.9 million from the state for 2002-03.

That's just some of the wealth of information available online in the newly updated Penn State Fact Book, part of the University's home on the Internet at <http://www.budget.psu.edu/factbook/>.

Newly available information includes fall 2001 enrollment statistics, fall 2001 faculty and staff counts and details of the 2001-02 operating budget.

The redesigned Web site and Fact Book update began in June and was completed about two weeks ago, a collaborative effort involving the entire University Budget Office. The finished product is about 2,000 Web pages filled with a cornucopia of facts and figures about the University, according to P. Richard Althouse, University budget officer.

Significant about the expanded Fact Book is that it depends on a database system instead of static Web pages. "That means that updated information can be fed directly to the database instead of manually changing each Web page," said Tim Whitehill, technology team leader in the Budget Office.

Facts, page 2

Statewide billboard campaign reminds motorists how University continues 'Making Life Better'

By ALLISON KESSLER
Public Information

Pennsylvania citizens and visitors are being reminded that a degree from Penn State is a risk-free investment in the future, as 124 Penn State billboards are beginning to appear across the commonwealth.

The billboards embrace the Nittany Lion Shrine and the University's slogan, "Making Life Better," as part of an advertising campaign developed by the University's Department of Marketing and Advertising. Positioned near the University's 24 locations, the ads will be accompanied by radio spots that emphasize the value of investing in a Penn State education.

"This campaign serves as a way to remind citizens about Penn State's widespread presence across the commonwealth," said Cindy Hall, director of University Marketing and Advertising. "We want to remind people on the road that most communities have a Penn State campus nearby."

The campaign emphasizes the power of the University's brand name — recognized worldwide — as a sound investment in the future. This is the fifth phase of the billboard advertising campaign and the third year the signs prominently feature the Nittany



This is one of the 124 billboards that are beginning to appear across Pennsylvania.

tany Lion. Surveys have identified the mascot as the most powerful of Penn State symbols.

"The Lion was a natural choice to use for this campaign because it is so well received by our campuses and constituents," Hall said.

The most recent Gallup Poll found that the University came in second to Harvard as the best university in the nation in terms of overall perception among respondents in the east. In addition, more than 80,000 people from across the country applied to one of the University's locations in 2000.

"We are recognized nationally and internationally as a leader in higher education, a leader in technology transfer and a leader in outreach," said President Graham B. Spanier. "We fulfill our land-grant mission every day in a variety of ways in every corner of the state, and we want people right here in Pennsylvania to hear the good news. We want them to stop to think how Penn State really is making their lives better."

Allison Kessler can be reached at akessler@psu.edu.

Facts

Continued from page 1

"We can get things out much faster and more efficiently with a lot less effort," Althouse said. "This system is at the forefront of current Web technology."

The Fact Book has answers to almost any question the general public has about Penn State in an easily navigated, user-friendly system. The site is sorted and organized into these categories: general information, students, faculty and staff, budget and finance, research, and alumni development, along with numerous links to pertinent University sites and home pages.

For example, under general information, there's data about Penn State provided by the Office of University Relations. Subjects include public accountability, frequently asked questions, rankings and ratings, quick facts, calendars of events and information on President Graham B. Spanier, past presidents and the Board of Trustees.

Under FAQs, answers can be found on how to get an admissions application, obtain sports information, look up faculty and staff e-mail IDs and search Alumni Association information.

The comprehensive site also provides a home for Penn State's budget.

"We provide a budget-by-budget accounting of planned and actual expenditures," Althouse said. "We believe we include more detailed information about our budget online than any university in the country."

"The process also provides a substantial savings of time and money to the University," Althouse said. In the past, the University had printed copies of the budget, a hefty volume that cost \$300 per copy to produce, he said. Now, all that information has been transferred to the Web.

"The technology allows us to get the budget online a two full months before we were able to in the past," he said.

"Our goal is to make timely information about Penn State available to students, faculty, staff and the citizens of the commonwealth and to do so in an easy-to-use format," Althouse said. In the past year or so, since the first version of the Fact Book appeared, the site has registered about 20,000 visits, he said.

ARL

Continued from page 1

thermal propulsion concepts and systems; advanced propulsors, fluid machinery, and hydrodynamic, aerodynamic and structural acoustics; as well as materials and manufacturing technologies and communication systems.

In addition to supporting ARL's basic and applied research programs in its areas of capability, the new contract also will maintain ARL's support for students. During the past year, 322 students, including 150 undergraduate students, 118 graduate students and 54 ARL employees, received support through ARL to pursue studies and advanced degrees. The new support will continue funding for a vigorous program to encourage diversity outreach including cooperative efforts with Historically Black Colleges and Universities/Minority Institutions such as Tennessee State University.

Many of the faculty members in the University's Graduate Program in Acoustics have joint appointments at ARL. The new contract will provide the Graduate Program in Acoustics with space for research, classrooms, computers, faculty, staff and students.

ARL is one of four University Affiliated Research Centers designated by the Department of Defense and the Department of the Navy.

Barbara Hale can be reached at bah@psu.edu.



Partings

Associate professor says goodbye after 33 distinguished years

Samuel C. DeWald, associate professor of management development with Penn State Management Development Programs and Services, has retired after 33 years of service with the Division of Continuing Education.

DeWald distinguished himself throughout his career through his expertise in time management and marketing strategy and planning, as well as his dedication to teaching. In keeping with his goal of providing academic knowledge to business professionals, he taught on-site courses at more than 150 companies and non-profit organizations throughout the commonwealth and the nation. He also developed and taught for the interna-

tional training program aimed at managers and business owners from around the world.

DeWald's association with Penn State began in 1960, when he began working as a part-time continuing education instructor for The Mary Jean and Frank P. Smeal College of Business Administration at the Reading Center. Later, he became the evening school administrator for Penn State Berks, where he helped expand outreach activity. In 1971, he joined the Management Development faculty. He returned to University Park in 1990 upon his appointment as director of Management Development.

He earned his bachelor of science

degree in economics from Albright College in 1957, his master of business administration from New York University in 1961 and his master of science in education from Temple University in 1962. He pursued doctoral studies at the University of Pennsylvania.

During his retirement, DeWald plans to continue his active life. He still teaches part-time for Management Development, consults with the Pennsylvania House of Representatives and volunteers his marketing expertise with the Reading AIDS Network through Penn State Berks. He also is president of a German culture club in the Reading area and co-owns a restaurant with his daughter.

Continuing Education director retires after 31 years

Ronald Avillion, director of the State College Office of Continuing Education, has retired after 31 years of service.

Avillion joined the University as a conference coordinator in 1970. In 1986, he was named head of the State College Office of Continuing Education, and he spent the next 15 years managing the overall growth of continuing education programs by increasing the number of students served and courses offered.

Avillion and his staff developed a number of new educational offerings, including the master of counselor education with an emphasis in chemical

dependency degree program, the post-baccalaureate pre-medical certification program and the Webmaster certificate program, among others.

Under Avillion's direction, several satellite offices were established within his responsibility to meet the needs of adult learners throughout central Pennsylvania; the Center for Outreach and Cooperative Extension in Lewistown, which was the first office of its kind in the state to combine continuing education and cooperative extension services; the Office of Continuing Education at the Pennsylvania College of Technology; and the Office of Information Tech-

nology Programs and Services at The Penn State Conference Center Hotel.

He also helped develop the Leadership Centre County program, which selects area residents for yearlong leadership training, and the Community Academy for Lifelong Learning, a nonprofit educational organization for senior citizens in the Centre Region.

Avillion received his bachelor of science degree in health and physical education in 1965 and his master of education degree in 1966 from Penn State.

During his retirement, Avillion plans to work as a real estate agent.

Budget office manager retires after more than 41 years

Mary Alice Miller, manager, systems planning and design for the University Budget Office, retired Sept. 30, after serving the University for more than 41 years.

Miller began her career with the University in 1960 as a statistical clerk in the College of Agricultural Sciences. In 1969, she transferred to instructional services; in 1979, she joined the University Budget Office as an applications programmer analyst. In 1997, she was promoted to manager, systems planning and design.

During her time in the University Budget Office, she contributed to the development of numerous systems to comply with state and federal reporting requirements. She was a key participant with the original team to develop and implement the IBIS systems. More recently, she was instrumental in the enhancement and support of IBIS.

In her retirement, Miller plans to travel, spend time with her family and friends, and develop her many interests.

Religious studies faculty member taught 30 years

After more than 30 years at Penn State Delaware County, Bruce Stephens, associate professor of religious studies, will be retiring with emeritus rank at the end of the fall semester.

Stephens joined the campus in 1970 as the only religious studies professor at a location other than University Park in the Penn State system. His main duties at the campus were to offer a wide variety of courses in religious studies that would meet the general education needs of his students. He has been a member of the religious study faculty at the University longer than any other faculty member.

In retirement, Stephens plans to spend time with his grandchildren, enjoy his 60-acre Gravel Spring Farm in Crawford County and keep busy with a variety of activities.

Stephens received his bachelor's degree from Allegheny College, master of divinity degree from The Theological School of Drew University and his doctorate from the Graduate School of Drew University. His scholarly and research interests include religion in American culture; 18th and 19th century theology in America; and modern Christian thought.

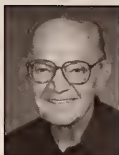
25-YEAR AWARDS



Promotions



Michael E. Boonie



Joseph Dancho



Keith W. Grenoble



Chris M. Henninger



John M. Caporali



Mary Beth Clark



Donley Hogg



Joyce Wilusz

Observing 25 years of service at the University are, top row from left: Michael E. Boonie, lead technician environmental systems, and Joseph Dancho, janitorial worker, both in the Office of Physical Plant; second row from left: Keith W. Grenoble, automotive technician, and Chris M. Henninger, equipment operator, both in the Office of Physical Plant; third row, from left: John M. Caporali, instructor in Kinesiology at Penn State Shenango; and Mary Beth Clark, neonatal nurse practitioner program coordinator in the College of Medicine at Hershey Medical Center; and fourth row from left: Donley Hogg, manager, network operations in The Graduate School; and Joyce Wilusz, staff assistant VI in College of the Liberal Arts. Observing 25 years of service at the University but not pictured are Robert L. Reichley, master control operator, and Frank M. Samansky, television technician and electronics A, both in Division of Outreach and Cooperative Extension; Gillian Y. Roland, library supervisor IV in University Libraries; and Judy Sunday, staff assistant VI in College of the Liberal Arts.

Technical Service

John J. Antonik, manager, food services II in Housing and Food Services
John L. Cain, area facilities maintenance worker in Office of Physical Plant

Pamela K. Confer, food production worker B in Housing and Food Services

David F. Dreese, lead electrician in Office of Physical Plant

Johnathan M. Light, area facilities maintenance mechanic in Office of Physical Plant

Shannon B. Lose, food preparer A in Housing and Food Services

Christopher L. Monsell, maintenance worker, utility in Office of Physical Plant

Joan M. Rhoades, maintenance worker, utility at Penn State Abington

Robert L. Scott, group leader maintenance worker, utility at Penn State Great Valley

Staff

Terry L. Achey, director of facilities in College of Medicine, Hershey Medical Center

Jeanne M. Armstrong, administrative assistant III in College of Engineering

Carrie A. Bair, staff assistant VI in Intercollegiate Athletics

Sherry L. Bancroft, staff assistant VI in College of Medicine, Hershey Medical Center

Dana E. Bauer, manager marketing in College of Earth and Mineral Sciences

Erica S. Belser, development assistant in Division of Development and Alumni Relations

Dawn M. Boyer, manager, program office in Computer and Information Systems — Administrative Systems

Catherine A. Brower, associate director, facilities planning and construction in College of Medicine, Hershey Medical Center

George C. Browning, assistant director of development in Division of Development and Alumni Relations

Robert C. Byers, manager, concessions in Intercollegiate Athletics

Sally A. Carbaugh, manager, network and information system at Penn State Mont Alto

Andrea D. Christopher, director student affairs III at Penn State Mont Alto

John H. Confer, lead systems assistant in Computer and Information Systems — Administrative Systems

Michael D. Connelly, staff assistant V in College of Agricultural Sciences

Pamela J. Crawford, staff assistant VI at Penn State Great Valley

Amly L. Deukin, library assistant II in University Libraries

Susan W. Donley, associate director II in Division of Development and Alumni Relations

Susan L. Dysinger, staff assistant VII in College of Medicine, Hershey Medical Center

Margaret A. Finan, staff assistant VI at Penn State Great Valley

Nancy J. Fogleman, administrative assistant III in College of the Liberal Arts

Willard L. Fuller, director, student affairs at Penn State Fayette

Bill E. Garrigan, fitness program coordinator in Intercollegiate Athletics

Kelly J. Gilham, work reception coordinator in Office of Physical Plant

Karen L. Glyde, senior research technologist in Office of the Vice President for Research

Tracy L. Gross, application system analyst in Penn State

Robert L. Scott, group leader maintenance worker, utility at Penn State Great Valley

Vicki A. Harpster, staff assistant VI in College of Arts and Architecture

Missy L. Hazen, research support associate in Office of the Vice President for Research

Jody M. Heckman, senior budget analyst in Office of Budget and Resource Analysis

Angela L. Henderson, associate director, student affairs at Penn State Abington

David S. Herl, assistant manager, retail food operations in Housing and Food Services

Doreen M. Hetlich, director of student affairs at Penn State Delaware

Dawn L. Holsopple, administrative assistant I in College of Agricultural Sciences

Carol E. Hugar, library supervisor III in University Libraries

Karen L. Jewell, director, continuing education at Penn State Mont Alto

Timothy A. Kerschinski, senior client development manager in Division of Outreach and Cooperative Extension

Douglas R. Keuscher, computer support specialist at Penn State Berks

Patricia A. Kline, library assistant II in College of Medicine, Hershey Medical Center

Gregory W. Laur, associate director I in Division of Development and Alumni Relations

Clyde F. Le Fevre, director in Computer and Information Systems — Administrative Systems

Susan C. Lewis, director of continuing education at Penn State McKeesport

Kathryn P. Long, staff assistant VII in College of Education

Ina K. Lubin, regional director at Penn State Wilkes-Barre

James F. Lynch, director, Office of International Students in University

Office of International Programs, Office of the Executive Vice President and Provost

Christina Macgill, assistant director, career services in Student Affairs

Michelle A. Marquardt, staff assistant VII in College of Arts and Architecture

Sally A. McGuire, director of continuing education at Penn State Hazleton

Virginia L. Miller, library assistant II in College of Medicine, Hershey Medical Center

Theresa M. Morrison, staff assistant VI in Student Affairs

Jan E. Orris, director, continuing education at Penn State New Kensington

Kay A. Palchak, research support technologist III in College of Agricultural Sciences

Kevin R. Peterson, financial officer V in Office of the Corporate Controller

Danny R. Phillips, designer I in Office of Physical Plant

Larry R. Pollock, director of student affairs II at Penn State New Kensington

Matthew D. Prophet, lead applications programmer/analyst in Computer and Information Systems — Administrative Systems

Barbara B. Rayman, director of administration in Office of International Programs, Executive Vice President and Provost

David A. Reed, lead system analyst in Computer and Information Systems — Administrative Systems

Kenneth J. Robinson, library assistant III in University Libraries

Arthur J. Sailor, banquet manager at The Penn State Conference Center Hotel

Joseph Seglia, director of outreach II at Penn State Fayette

Daria D. Sessamen, staff assistant VI at Penn State Harrisburg

Bonnie E. Shannon, area representative III at Penn State Harrisburg

Lanny G. Shawver, customer service representative in Office of Physical Plant

Patricia A. Souders, staff assistant VI at Penn State Harrisburg

Amy L. Stover, staff assistant VII in Eberly College of Science

Katherine A. Strenko, library assistant III in University Libraries

Melissa D. Surovec, assistant coordinator, contracts and grants management in The Smell College of Business Administration

Jennifer J. Trostle, staff assistant VI at Penn State Harrisburg

Rebecca K. Ulrich, assistant to the dean at Penn State Harrisburg

Charles J. Vesio, assistant manager, retail food operations in Housing and Food Services



Lectures

Award-winning poet is the next Forum speaker

John Balaban, poet-in-residence and professor of English at North Carolina State University, will deliver the Penn State Forum lecture at noon Monday, Nov. 26, at The Nittany Lion Inn on the University Park campus. The topic of his presentation is "Venturing Out: Excursions into Vietnamese Literary Culture."

Balaban, an American poet and translator, was named the 2001-2004 National Artist of the Phi Kappa Phi Honor Society. The award is presented every three years to a person who has excelled in the broad realm of the arts—creative, graphic, performing, visual or fine arts.



John Balaban

The Penn State Forum is a lunchtime speaker series offered by the Faculty Staff Club and is sponsored in part by the Penn State Bookstore. It is open to the public. Tickets include lunch and are \$10 for members and \$12 for non-members.

Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center. Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m., followed by the speech and a question-and-answer session at noon. For more information call (814) 865-7590.

Effects of tourism are topic for last Huddle

Duarte B. Morais, assistant professor of leisure studies, will discuss the positive and negative outcomes observed in tourism at 9 a.m. Nov. 17 in the faculty-staff room of The Nittany Lion Inn on the University Park campus.

Morais has investigated the development of tourism in rural areas of the United

States, Portugal, Mozambique and China.

The free presentation is the last lecture in the 2001 Huddle with the Faculty lecture series, an Alumni Association outreach program that features presentations by faculty before home football games.

For information, call Mary Jane Stout at (814) 865-5466.

Soil structure, quality, indexing to be examined

Ana Bucher, a doctoral degree candidate in soil science, will give lecture from 3:35 to 4:25 p.m. Nov. 16 in 101 Agricultural Sciences and Industries Building on the University Park campus.

The topic is "Impacts of Soil Manage-

ment on Soil Community Structure, Soil Quality Remediation and Soil Quality Indexing."

The event host is the Department of Crop and Soil Sciences.

For information, call (814) 863-1601.

Nanotechnology to be examined during lecture

Ralph C. Merkle will speak about his research in nanotechnology at 7:30 p.m. Wednesday, Nov. 28, in the Perkins Student Center Auditorium at the Penn State Berks campus.

Merkle chaired the fourth and fifth Fore-

sight Conferences on Nanotechnology, and is on the Executive Editorial Board of the journal *Nanotechnology*.

The event is free to the public.

For information, call (610) 396-6068.

PRIVATE GIVING

IBM donates hardware, software to Penn College

IBM recently donated computer hardware and software valued at nearly \$740,000 to Pennsylvania College of Technology for use in the new Business Administration Management Information Systems Concentration major in the School of Business and Computer Technologies.

The donation includes an iSeries/400 Model 270 server system with special software to accommodate training in CICS,

MQSeries, Database, Networking and WebSphere. Total value of the hardware is \$36,338; total value of the software is \$700,327.

The donation is a result of Penn College's participation in IBM's Partners in Education initiative. The college partnered with SCS Inc., Williamsport, which serves as a Premier IBM Business Partner.

For information, call (670) 327-4517, or visit the Web at <http://www.pct.edu>.

Architecture lecture focuses on 'plan of things'

Romolo Martemucci, associate professor of architecture and director of the "Sede di Roma" architecture program in Rome, will discuss "Everything You Ever Wanted to Know About Architecture and Then Some" at 7:30 p.m. Tuesday, Nov. 20, in 101 Engineering Unit D, University Park.

The lecture will explore the use of cartographic research in the historical plans of

Ferrara, Italy, and focus on the idea of creating plans by thinking beyond the present.

This lecture is the third in a new interdisciplinary series, titled "Topical Tuesdays," which is sponsored by the Department of Architecture.

For information, check the Web at http://www.artsandarchitecture.psu.edu/news/cwr_cal.html.

Literature, health among topics for lectures

A tribute to Maya Angelou and discussions on women's health issues and oral history are among the noon events at the Penn State Downtown Center, 234 N. Third St., Harrisburg, this month.

On Nov. 20, members of the Harrisburg-based Nathaniel Gardsten Writers' Workshop will offer a tribute to Maya Angelou featuring readings of her poetry and prose. The program will include readings of original poetry and a panel discussion.

The Nov. 27 Women's Legislative

Exchange Meeting will feature a discussion on women's health issues led by Ned Dempsey, special assistant and director of legislative affairs for Auditor General Robert P. Casey Jr.

"What Oral History Can Tell Us About Pennsylvania's Past" is Linda Shope's topic on Nov. 28. Shope is a historian and program administrator for the Pennsylvania Historical and Museum Commission.

The presentations are free to the public. For information, call (717) 783-0433.

Panel to target communication strategies

A panel discussion on "Organizational Communication Strategies" will be presented from 8:30 to 10 a.m. Friday, Nov. 16, in 404 Old Main on the University Park campus.

Panelists are Gerry Browder, managing director, Smeal MBA Program; Ann Dodd, senior consultant, Center for Quality and Planning; and Gene Melander, associate vice provost emeritus and professor emeritus of quantitative business analysis.

The moderator is Louise Sandmeyer, executive director, Center for Quality and Planning.

Panelists will share examples from recent University initiatives where communication strategies were used to enhance the capability for collaboration within the Commonwealth College and to strengthen decision-making and support for Web strategies implementation.

Poet to speak at Comparative Literature event

The Comparative Literature Luncheon, a weekly informal lunchtime gathering of students, faculty and other members of the University community, has announced that Robin Becker, professor of English, will speak on Nov. 26.

The events begin with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may

bring their own lunch or buy something in Kern Cafeteria. Coffee and tea are provided. The speaker will begin at about 12:40 p.m.

The topic will be "Where Lyric Joins Narrative: A Poetry Reading and Discussion with Robin Becker."

The events are free to the public.

For information, e-mail Daniel Walden at dwx8@psu.edu.

NEW AT PENN STATE

New Survey Research Center opens its doors

The Survey Research Center, a part of the new Social Science Research Institute, is now up and running.

The center provides survey research services to faculty and administrative units. These include survey design, sampling and data collection, including telephone, mail, face-to-face and Internet surveys and focus groups, as well as survey data management and data analysis.

The center is conducting phone, mail and self-administered surveys, and recruiting for focus groups.

The center, led by David R. Johnson, professor of sociology and human development and family studies, will serve as a focal point and resource for research on survey methodology at the University.

For information, visit <http://www.ssri.psu.edu/survey/>.

The Power of Penn State

THE UNITED WAY CAMPAIGN FOR PENN STATE

NOVEMBER 16, 2001

Merger creates Community Help Centre

By BILL CAMPBELL
For the United Way

It's name has changed, but the services it provides remain critical for thousands of Centre County residents.

The Community Help Centre came into being on July 1 as a result of a merger of two organizations, the Volunteer Center of Centre County and Wellspring from On Drugs Inc.

Its first and foremost mission is to use volunteers to provide immediate support services and basic needs services to the greatest extent possible.

"What really encouraged us to merge was the fact that clients of both agencies were similar and, in many cases, were the same clients," said Tammy Gentzel, executive director of the Community Help Centre.

"The two organizations had worked together in shared office space for three years. The Volunteer Center had some financial problems and was on the verge of closing. The board of directors of both organizations saw this as a perfect opportunity to merge since both were involved in using volunteers to provide services. Thus far, it has worked out very well."

From its offices at 139 S. Pugh St., State College, the agency provides immediate support services through its 24-hour telephone hot line. Volunteers provide emotional support for acute needs such as anxiety, anger, stress, relationship problems and drug and alcohol issues.

Gentzel said emergency basic needs support, such as food and shelter, are available 24 hours a day, seven days a week. Non-emergency basic needs support, such as transportation to critical appointments and chore assistance, is provided as quickly as possible and when volunteers are available.

"Our immediate support clients tend to be mostly people who are isolated from a support network — either physically or emotionally," Gentzel said. "Emotional isolation results from the fact they are dealing with severe trauma in their lives, such as the loss of a job or a serious illness. Some recently migrated to the State College area and don't have a lot of friends or family in the area. Or they may be dealing with an issue they think is too embarrassing to talk about with family and friends."



Chrissie Pruchnic, left, volunteer hot line counselor, and office manager Bill McConnell answer phones at Community Help Centre, one of the many agencies that receives funds from the United Way.

Photo: Greg Grieco

That is the underlying theme for those clients.

"For those who call for basic needs services, such as helping with chores or providing transportation for medical visits, the common theme is that they are elderly, disabled or low-income."

If the agency's current calling pattern continues, Gentzel estimates it will serve approximately 20,000 people in the current fiscal year, ending June 30.

"Not all of those are in dire straits," she said. "Some call for information on alcohol abuse, for example, or for information on support groups. I'd estimate that 30 percent to 40 percent call because they have some immediate need for support."

As did its predecessor agencies, the Community Help Centre relies almost exclusively on volunteers to provide its services. There usually are approximately 100 volunteers involved in its programs. Some 30 to 40 operate the hot line, while others drive or provide chore assistance.

"The Penn State student population is incredibly important to us," Gentzel noted. "We wouldn't be able to stay open without

student volunteers. I get testy when I hear about the negative impact of Penn State students on our community. The support they provide — very often through a need and a desire to give — is truly astonishing. They are vital to the organization."

According to Gentzel, the Community Help Centre will continue to provide services as long as there is a need and as long as they can continue to recruit volunteers.

"As with other human services agencies," she said, "we are concerned about finances, even though we use volunteers for most of our programs. We need to pay our rent and utility bills and pay salaries of three full-time staff members who recruit and train our volunteers."

"The United Way support is vital to us. It represents more than 30 percent of our total funding. If we lost that, we would have to reduce our paid staff and reduce our programs."

The Community Help Centre can be reached at (814) 234-8222. Its hot line number is (814) 237-5855.

PENNSTATE



FROM THE PRESIDENT

The recent unprecedented outpouring of support across the nation in response to the tragic events of Sept. 11 has been inspiring. Not to be forgotten in this display of compassion and generosity are those in our local community who are in need.

The Centre County United Way has been a force in supporting human service agencies that touch one of every three Centre County residents. Someone you know — a colleague, friend or neighbor — may have been assisted by a United Way agency.

Penn State recognizes the United Way as the organization most able to help those around us who are in the greatest need. It is the only external charitable organization for which payroll deductions are authorized.

I hope you will join with me and your co-workers in making our community an even better place for all of us through support of our University Park United Way Campaign.



Graham B. Spanier

Did you know?

Last year, the United Way helped one in three people in Centre County:

- ◆ 4,497 disabled individuals were able to achieve their highest levels of independence.
- ◆ 1,821 victims of family violence and rape received care and support.
- ◆ 2,164 people were provided with emergency food supplies.
- ◆ 17,108 children and teenagers at risk benefited from counseling and learning programs.
- ◆ 1,735 men and women obtained legal and mediation advice.

The United Way: helping, caring and sharing

BY LISA WEINSTEIN
For the United Way

The Centre County United Way is a non-profit organization that brings people and organizations together to help those in our community who need it most. With the help of the faculty and staff of Penn State, this annual campaign is one of the most successful philanthropies within the University.

Local volunteers and a small staff run the organization. However, without those from the University and the community preparing events and fund-raisers, the United Way would not be able to flourish.

The funds raised by the campaign provide a broad range of health and human services throughout the county. These services range from family support to care for people with disabilities to adult education and services. All aspects of human services are covered and the young, middle-aged, and elderly all have used these services to better their lives.

Visit the Penn State United Way Campaign Web-Site at <http://www.psu.edu/ur/events/unitedway/> to see the events that have been planned and those that are still to come. Also, information on how to fill out the general solicitation form is provided. This is important for those interested in pledging not only through a donation but also through payroll deduction.

The power is in you to help your friends and neighbors in Centre County who need the services that the United Way provides. When you want to help your fellow community members, remember to give a helping hand to the Centre County United Way and know that what you give here stays here.

United Way Services are used hundreds of thousands of times

In 2000, Centre County United Way provided services more than 123,000 times:

- ◆ 6,310 times in the Bald Eagle area, including 1,182 people who were assisted by the American Red Cross.
- ◆ 22,981 times in the Philippsburg area, including 6,713 members of the Moshannon Valley YMCA.
- ◆ 33,364 times in the Bellefonte area, including 1,039 individuals who benefited from the Sight Loss Support Group.
- ◆ 10,412 times in the Penns Valley area, including 4,249 people who visited the Centre County Library.
- ◆ 50,360 times in the State College area, including 550 people who received support through the Centre County Women's Resource Center.

'She was the glue that held our United Way Committee together'

BY BILL CAMPBELL
For the United Way

By any measure, Karen Rugh was the heart and soul of Penn State's University Park United Way Campaign.

Rugh, who died Sept. 7 at the age of 58, managed the successful campaigns while serving as director of University Relations.

William W. Asbury, vice president for student affairs, who served as chair of the 1987 and 1998 campaigns, called Karen his mentor.

"Without Karen's guidance and persistence, we would not have been able to achieve record contributions over previous years," he said. "It was Karen who convinced me that the real campaign goal is to get more people, each year, to support United Way. She encouraged us to reach for higher participation rates, knowing that regular involvement would lead to regular and increased contributions."

"I recall Karen's soft-spoken, but firm, advocacy for involving United Way agency representatives at each of our University Committee meetings. It was her idea to have the committee interact with real people who could describe service agency needs to their clients."

In the years I worked with Karen Rugh, she was the glue that held our United Way Committee together."

According to John J. Romano, vice provost and dean for enrollment management and administration, Karen was the "deep pocket" of the University's United Way campaign. He knew and worked with her for more than 25 years, primarily in her role as manager of the University's commencement ceremonies.

"I also knew that Karen had a long-standing commitment to the University's United Way campaign," he said, "but I never truly

Karen Rugh, who died Sept. 7, managed several successful United Way campaigns in her role as University Relations director.



time to come."

Bill Campbell can be reached at wjc1@psu.edu.

understood the magnitude of her involvement until last year when I chaired the campaign.

"Most University faculty and staff understand that the University's campaign occurs in the fall. But the real campaign is a yearlong effort and Karen was there to provide me and the other members of our planning team with all of the support, counsel and advice we needed. That we had such a successful campaign last year, and indeed, that so many of the University chairs have had success, is in no small way a tribute to Karen's unfailing efforts to do everything possible to ensure that each of the annual campaigns was a success."

Timothy M. Curley, director of Intercollegiate Athletics, said Rugh was "very instrumental" in the overall success of the Penn State United Way campaigns from the very beginning.

"Karen worked very quietly behind the scenes to make sure all the i's were dotted and the t's crossed when it came to the overall organization and implementation of the campaign efforts," noted Curley, who chaired the 1996 campaign. "She was exceptional in working with the many campaign chairs and volunteers who helped shape the Penn State United Way campaigns to be one of the most successful efforts in higher education."

Romano added: "The University lost a wonderful and competent staff member with Karen's recent passing. And, the United Way lost its great champion of this important noble annual effort. She is missed by many, I am certain. But the graceful way she helped lead each of the successful University United Way campaigns is still with us, and I believe will be for a long time to come."

How to help

If everyone who works in Centre County contributed just one hour's pay per month, the benefits would be felt throughout our community.

- ◆ \$2 per week provides three nights of shelter for an individual in crisis.
- ◆ \$3 per week provides 15 hours of assistance on the Rape/Abuse Hotline.
- ◆ \$5 per week provides 72 hours of a job development training and support for a person with mental retardation.
- ◆ \$8 per week provides a Big Brother or Sister for one year for a child at risk.
- ◆ \$10 per week provides four days of food, shelter and clothing for a family of four who has lost everything in a fire.
- ◆ \$20 per week provides one week of summer camp for 24 disabled children.

PENNSTATE

FROM THE
CAMPAIGN CHAIR**'Our campaign is critical'**

As members of the Penn State family, we all have an opportunity to support the University's commitment to "Making Life Better" in the Centre County region through the University Park United Way Campaign.

Since 1972, Penn Staters have generously supported the Centre County United Way, which, in turn, supports 35 member agencies. Last year, one-third of Centre County residents were assisted in some way by agencies funded through the United Way. In all likelihood, someone you know has been helped by agencies such as the Red Cross, Easter Seals, Mid-State Literacy Council, the YMCA and others.

The United Way has impacted positively on families and children in the Centre County area by providing financial support that these families otherwise would not receive. Our University Park campaign is critical to the University because every element of Penn State is affected by the United Way.

The goal for this year's campaign is \$564,000. While reaching the goal is important, participation among faculty and staff is equally important. The University provides an opportunity for faculty and staff to participate in the campaign through automatic payroll deductions.

Since the tragic events of Sept. 11, an enormous sense of pride, hope and unity has arisen throughout the country. The United Way provides an opportunity for us to reinforce that spirit in our own region by reaching out to help colleagues, friends and neighbors who are in need.

Please join me in helping to keep that sense of community and generosity alive by supporting our United Way campaign.

David N. Wormley

Dean, College of Engineering



David N. Wormley

United Way's partner agencies and programs

United Way provides services in the following areas:

- ◆ Family support
- ◆ Services for children and youth
- ◆ Food, shelter and crisis services
- ◆ Health-related services
- ◆ Care for people with disabilities
- ◆ Care for elderly
- ◆ Legal/mediation services
- ◆ General community service
- ◆ Adult education and literacy

Centre County United Way agencies:

- ◆ The AIDS Project
- ◆ Alzheimer's Association
- ◆ American Red Cross
- ◆ The Arc of Centre County
- ◆ Bellefonte Family YMCA
- ◆ Boy Scouts of America-Bucktail
- ◆ Boy Scouts of America-Juniata
- ◆ Center for Alternatives in Community Justice
- ◆ Centre County Library
- ◆ Centre County Women's Resource Center
- ◆ Centre County Youth Service Bureau
- ◆ Centre Crest Auxiliary
- ◆ Centre HomeCare Inc.
- ◆ CentrePeace Inc.
- ◆ Child Development and Family Council
- ◆ Children's Aid Society of Clearfield County
- ◆ Community Help Centre
- ◆ Easter Seals Central Pennsylvania
- ◆ Family Health Services
- ◆ Food Bank of State College
- ◆ Friendship Community Library
- ◆ Health Education Center (Philipsburg)
- ◆ Hemlock Girls Scout Council
- ◆ Hope for Kids
- ◆ Housing Transitions Inc.
- ◆ Infant Evaluation Program
- ◆ International Hospitality Services
- ◆ Local Help and Transient Fund
- ◆ MidPenn Legal Services
- ◆ Mid-State Literacy Council
- ◆ Moshannon Valley YMCA
- ◆ Sight Loss Support Group
- ◆ Skills of Central Pa Inc.
- ◆ State College Area Family YMCA
- ◆ Strawberry Fields Inc.



The symbol says it all

You have seen this symbol at health agencies, day-care facilities, neighborhood centers and on all United Way posters and publications.

There is a simple but universal message that the symbol sends to its audience.

At the bottom is a helping hand. This symbolizes the services and programs supported by United Way.

The image in the center, the symbol of mankind, is cradled by the helping hand. It shows that all people are uplifted by the United Way.

And finally a rainbow springs from the helping hand, representing the hope of a better life made possible through the United Way.

Digital caring

Visit the Penn State United Way Campaign Web-Site at <http://www.psu.edu/ur/events/unitedway/> to see what you can do to help.



VOLUNTEER

Vulnerable to the needs of others

Open to new ideas

Lend a helping hand

Unite with others

Nothing is impossible

Take time to listen

Endure the hurdles

Exemplary commitment

Reward yourself

— Donna Meyer

Chuck Rohrbeck, a Penn State alumnus and retired local doctor, volunteered his time at the Centre Furnace Mansion, near University Park, by painting trim around the windows. It was part of the United Way Day of Caring activities.

Photo: Greg Grieco



News in Brief

Intercom schedule

Due to the Thanksgiving holiday, there will be no Intercom published on Nov. 22. The last issue of this calendar year will be on Nov. 29. The deadline for that issue is noon Monday, Nov. 19, which is earlier than normal due to the Thanksgiving holiday.

The schedule for the remainder of the academic year follows:

Publication date	Deadline
Jan. 17	Jan. 9
Jan. 24	Jan. 16
Jan. 31	Jan. 23
Feb. 7	Jan. 30
Feb. 14	Feb. 6
Feb. 21	Feb. 13
March 14	March 6
March 21	March 13
March 28	March 20
April 4	March 27
April 11	April 3
April 18	April 10
April 25	April 17
May 9	May 1
May 23	May 15
June 6	May 29
June 20	June 12

Spanier ratio/TV call-in

Factors contributing to juvenile delinquency will be the topic of the next edition of "To the Best of My Knowledge," President Graham B. Spanier's monthly call-in show airing at 7 p.m. Tuesday, Nov. 20, on WPSU-FM (91.5, 106.7, 95.1, 90.1, 100.9 and 104.7) and simultaneously on WPSX-TV.

Joining Spanier to discuss the causes of juvenile delinquency and means of preventing it will be Wayne Osgood, professor of crime, law and justice, and Karen Bierman, director of the Children, Youth and Families Consortium.

Listeners and viewers with questions or comments are encouraged to join the discussion by calling (800) 543-8242 during the one-hour simulcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://wpsu.psu.edu/tbomk/>; and they will be able to contact the president during the program via e-mail to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of national and local interest and to allow listeners and viewers a chance to communicate directly with the University's president.

Call Center hours

The Call Center Services Office will operate on limited hours during the Thanksgiving Holiday.

The schedule is: 7 a.m. to 7 p.m. Wednesday, Nov. 21; closed, Thursday,



Maria Sosa, left, a nurse from the Johnstown regional chapter of the American Red Cross, helps Will Bergeria, a freshman in computer science, prepare to donate blood. The blood drive was held in the East Halls area on the University Park campus.

Photo: Greg Grieco

Nov. 22; 8 a.m. to 5 p.m. Friday, Nov. 23; and 8 a.m. to 5 p.m. Saturday, Nov. 24.

Normal hours, 7 a.m. to 11 p.m. Monday through Friday and 8 a.m. to 11 p.m. Saturday and Sunday, will resume Sunday, Nov. 25.

The office will be available for departmental office support by providing a message service over the break. The Call Center operator will answer all calls and have messages forwarded to departments by electronic mail every hour. The fee is \$25 daily.

For information, call (814) 863-3410 or visit <http://www.etc.psu.edu/services/staff/callcenter.asp>.

Holiday parking

There will be no Link or Loop bus service on Friday, Nov. 23, and during the week of Dec. 17-20 on the University Park campus.

Red commuter permits and blue student permits will be honored in the orange open staff lots. Permits must be properly displayed and vehicles must be parked in a legal parking space.

For information, call the parking office at (814) 863-0320.

Parking lot access restricted

A parking lot access trial program is under way from 7 a.m. to 4 p.m. Monday through Friday until Dec. 7 in the Brown A parking lot on the University Park campus.

The lot will continue to be reserved for permit holders until 9 p.m. Monday through Friday. The section of Brown A located behind Deike Building will continue to be reserved 24 hours a day for faculty/staff permit holders only.

Vehicles not displaying an authorized permit will not be allowed access from 7 a.m. to 4 p.m.

To report parking lot issues or for details, call Frank Pope at (814) 865-2268 or e-mail fmpl@psu.edu and Doug Holmes, facilities coordinator, at (814) 865-2513 or e-mail wdh1@psu.edu.

For a larger version of this story, check the Web. Go to <http://www.psu.edu/INTERCOM/> and click on the link to News in Brief.

New id+ services

PNC Bank, N.A., a member of The PNC Financial Services Group, has entered into an agreement with the University to participate in the Penn State id+ Card program. Beginning in the spring, students, faculty and staff who are customers of PNC Bank will have the option of linking their id+ cards (University ID) to a PNC Bank checking account and thus using their ID as a MAC/ATM card.

Other members of the Penn State id+ financial network include the Penn State Federal Credit Union and M and T Bank.

Cardholders may link their id+ card to a checking or savings account with any of the three participating financial institutions for one-card access at ATMs and merchants accepting debit cards for purchases.

In addition, Penn State id+ cardholders who also participate in the Diners Club or A La Board meal plans now can add value to their accounts directly at the id+ Web site (<http://www.idcard.psu.edu/>).

Deposits are available in real-time, so funds are available for spending as soon as the transaction is complete.

To learn more about these meal plans, visit the Housing and Food Services Web site at <http://www.hfs.psu.edu/> or ask at any location for information.

Funding proposals sought

The Equal Opportunity Planning Committee will be receiving funding proposals for programs that occur in summer 2002 and academic year 2002-2003.

Proposals for summer 2002 are due Dec. 14 and proposals for academic year 2002-2003 are due Jan. 25. Funding proposals are accepted for University programs that support one the seven challenges identified in A Framework to Foster Diversity at Penn State 1998-2003.

(<http://www.equity.psu.edu/Framework/>).

For information on proposals, visit <http://www.equity.psu.edu/copc/> or e-mail Mike Blanco at mhb4@psu.edu.

Web-based business tutorials

A University Libraries' collaboration between the Schreyer Business Library and Instructional Programs resulted in the creation of two new Web-based business tutorials — "Locating Company Information" and "Locating Industry Information."

The tutorials are available through the Business Libraries home page: <http://www.libraries.psu.edu/crsweb/business/>, or through the Instructional Programs Web site, <http://www.libraries.psu.edu/crsweb/instruction/tutorials.htm>.

For information, call Diane Zabel at (814) 865-1013 or dxz2@psu.edu.



Arts & Entertainment



Day Without Art, a World AIDS Day initiative, will be held Dec. 1 at the Palmer Museum of Art at University Park. As it did last year, shown above, the museum will drape the bronze paws at its entrance to recognize the many lives lost and affected by AIDS. The museum also will exhibit "The Geldzahler Portfolio" for the event. For information about the exhibit, check the Web at <http://www.psu.edu/dept/palmermuseum>.

File photo: Greg Grieco

Clay workshop

A clay workshop, titled "Deep Space Nine," with visiting California artist Eileen Keefe, will be held from 6 to 8 p.m. Friday, Nov. 16, and 10 a.m. to 1 p.m. Saturday, Nov. 17, at the Center for Arts and Crafts on the University Park campus. For information, call (814) 863-0611 or visit <http://www.ssa.psu.edu/craftcenter/>.

Bandorama concert

Bandorama 2001, a concert highlighting the Symphony and Blue Bands, will be held at 8 p.m. Friday, Nov. 16, in Eisenhower Auditorium on the University Park campus. Tickets are \$15 for adults, \$10 for students and \$5 for children 12 and under. For information and tickets, call (814) 863-0255 or (814) 865-5555.

Chamber concert

The Chamber Orchestra and Concert Choir will perform Antonio Vivaldi's "Magnificat" and W.A. Mozart's "Requiem" at 4 p.m. Sunday, Nov. 18, in Esber Recital Hall, Music Building 1, University Park. Tickets, \$6 for adults and \$3 for students, are available by calling (814) 865-0431.

Winter concert

The Behrend College Choir and the Behrend Concert Band will present a winter concert at 8 p.m. Thursday, Nov. 29, in the McGarvey Commons on the Reed Union Building on the Penn State Erie campus. The Cathedral Choir of the Episcopal Cathedral of St. Paul also will perform. Tickets are \$5 for adults and \$3 for students. For information, call (814) 898-6242.

Holiday programs at Palmer

A number of holiday events have been scheduled at the Palmer Museum of Art on the University Park campus.

- The Nittany Valley Symphony Ensemble will perform a free holiday concert at 1 p.m. Dec. 2.
- The School of Theatre will present "Drama Duo Does Aesop — In a Whole New Way" at 3 p.m. Dec. 8, as part of a family-oriented, daylong program. From 1 to 3 p.m., kids and parents can create holiday luminaries.

- A community celebration for First Night 2002 will be held Dec. 31. This year museum educator Dana Ketchka will lead guests in creating memory boxes to hold special memories from the past year and resolutions for the future.

UNIVERSITY PARK CALENDAR

November 16 - November 29

SPECIAL EVENTS

Friday, November 16

"Henry Pearson: The Poetry of Line," gallery talk by Patrick McGrady, noon, Christoffers Lobby, Palmer Museum of Art.
Eileen Keefe on "Deep Space Nine," clay workshop, 6 to 8 p.m. Nov. 16, 10 a.m. to 1 p.m. Nov. 17, HUB Robeson Center. To register, call (814) 863-0611.

MUSIC

Friday, November 16

Bandorama 2001, with Symphonic and Blue Bands, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Sunday, November 18

The Chamber Orchestra and Concert Choir, 4 p.m., Recital Hall, Music I. For tickets, call (814) 865-0431.

Thursday, November 29

Fuel with Sevendust and Nonpoint, 7:30 p.m., The Bryce Jordan Center.

SEMINARS

Friday, November 16

"Organizational Communication Strategies," a panel discussion, 8:30 to 10 a.m., 404 Old Main.

Ann Bucher on "Impacts of Soil Management on Soil Community Structure, Soil Quality Remediation and Soil Quality Indexing," 3:35 to 4:25 p.m., 1D1 Agricultural Sciences and Industries.

Saturday, November 17

Duarte 8. Morais on the positive and negative outcomes observed in tourism, 9 a.m., The Nittany Lion Inn.

Monday, November 19

Min Chen on "Mathematical Methods in Image

Synthesis," 9 a.m., 302 Pond Laboratory.
Kyle Eastman on "The Catalytic Asymmetric Aldol Reaction," 11:15 a.m., SS Desmond Laboratory.

Mahendran Ramanathan and Mu-Ping Nieh on a subject to be announced, noon, 339 Davey Laboratory.

Jeremy Cohen on "What Advisers Should Know about the Bachelor of Philosophy Degree," noon to 1 p.m., 404 Old Main.
Marie Secor on "Emotion and Rhetoric: Darwin's Earthworms and the Expression of Emotion in Animals," 12:40 p.m., 102 Kern.

Tuesday, November 20

Larry Plew on "The Role of Microcontamination Control Engineering and Materials Characterization in Manufacturing State of the Art Devices," 11:15 a.m., 22 Delke.

Partha Mukhopadhyay on "Vacuum String Field Theory and its Classical Solutions," 3:30 p.m., 318 Osmond Laboratory.
Ari Mizel on "Vortex Quantum Tunneling: A Microscopic Perspective," 3:30 p.m., 339 Davey Laboratory.

Tracy Nixon on "Signal Transduction in DctD, a Two-component, Sigma54-dependent Enhancer Binding Protein," 4 p.m., SS Desmond Laboratory.

Romolo Martemucci on "Everything You Ever Wanted to Know About Architecture and Then Some," 7:30 p.m., 101 Engineering Unit 0.

Monday, November 26

John Balaban on "Venturing Out: Excursions into Vietnamese Literary Culture," 11:30 a.m., The Nittany Lion Inn. For tickets, call (814) 865-7590.

Larry Carr on a subject to be announced, noon, 339 Davey Laboratory.

Robin Becker on "Where Lyric Joins Narrative: A Poetry Reading and Discussion with Robin Becker," 12:40 p.m., 102 Kern.

Tuesday, November 27

Marco Zegermann on a subject to be announced, 3:30 p.m., 318 Osmond Laboratory.
H. Mathur on "Artificial Atomic Physics," 3:30 p.m., 339 Davey Laboratory.
Ronald D. Giles on "Structural and Dynamic Properties of Heme Proteins which Modulate Electronegativity," 4 p.m., SS Osmond Laboratory.

Wednesday, November 28

Kate Christina on "Age-Related Changes in Visual Sampling Characteristics During Locomotion Over Varied Terrain," noon to 1 p.m., 108 Warik Laboratory.

Matthew Restall on "Spaniards, Africans, Mayas: Women's Networks in the Color Crucible," 12:15 to 1:30 p.m., 102 Weaver.

Doron Nissim on a subject to be announced, 3:30 p.m., 333 Bess Business Administration.

Francis Rose on "Structural Health Monitoring," 3:35 p.m., 114 Earth and Engineering Sciences.

Alondra Nelson on "Skin Doctors: The Black Panther Party and Sickle Cell Anemia," 4 p.m., 111 Warik Laboratory.

Thursday, November 29

Julian Alston on "Revisiting the Returns to Agricultural Research," 3:30 p.m., 118 Agricultural Sciences and Industries.

Greg Dash on "Ice Physics, Lightning and the American Revolution," 4 p.m., 117 Osmond Laboratory.

EXHIBITS

Hub-Robeson Center

"Seeing the World Through Women's Eyes," black and white photography by Kathleen Karp, through Dec. 6.

"Heartdreams and Legends: Story of Two Peoples," through Dec. 4.

Ceramics by Ian Stainton, through Dec. 6.
Ceramics by Cheri Yamell, through Dec. 6.
Ceramic sculpture by Roger Pollok, through Dec. 6.

"Expressions in Quilted Fibers, Quilts by Centre Pieces Quilt Guild," through Dec. 2.

Kern exhibit area

"The Black and White Behind the Blue and White: The Struggle for Racial Equality at Penn State," photography by Robin Hoecker, through Dec. 5.

Etchings by Enrica Ruiz, through Dec. 5.

Palmer Museum of Art
"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," through Dec. 16.

"American Pastoral: Drawings by John F. Kensett," American Works on Paper Gallery, through Dec. 21.

Pattee and Paterno Library exhibit areas
"German-American Crosscurrents at Penn State: Celebrating a Century," through Jan. 3.

"When Two or More are Gathered Together: Groups and Composite Images from the 8. and H. Hensich Photo-History Collection," through March 30.

"Asia: Yesterday and Today," through Jan. 4.

Writing Commons
Paintings by Rachel Simon, through Dec. 3.

Warnock Commons
Paintings by Kevin Slavka, through Dec. 2.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Focus on Research

Addition of clays make better, cleaner plastics

By ANDREA MESSER
Public Information

Small amounts of well-dispersed natural clay can lead to environmentally friendly and inexpensive plastic composites with improved specialized properties, according to a University researcher.

"Adding very small amounts of natural clays to plastics changes some of their physical properties," said Evangelos Manias, assistant professor of materials science and engineering. "While we can tune the chemical interactions between the clays and some polymers, it is the general changes due to the nanometer fillers in all plastics that may be the most interesting."

Addition of clay can make plastics less permeable to liquids and gases, more flame retardant and tougher. Lower permeability can make plastics like PET, the standard plastic used in soft drink bottling, suitable for bottling beer or wine. The clay-enhanced product would protect the beverages from the effects of oxygen. At the same time, the addition of small amounts of clay does not affect the transparency of plastics.

Adding clay to polymer blends is not a simple process as polymers and clays mix about as well as oil and water. However, if the clay is treated with an organic surfactant, a compound that allows the inert clay to mix with the polymers, much so soap allows oil and water to mix, the clays can be incorporated into the final product.

An inexpensive, more environmentally clean method of producing flame retardant plastics could eventually save lives. Because the addition of clay into plastics reduces flammability in a wide range of plastics, it may have universal application as a general flame retardant additive.

"Currently, chemicals used to make plastics flame retardant contain bromine, which produces poisonous combustion gases when burned," Manias said. "Using clay is a green alternative to current practices and reduces flammability in a wide range of plastics."

The polymer clay blends, while containing only 1 percent to 5 percent clay, are actually nanocomposites. The addition of clay into the polymer blend does not alter the normal production and processing of the clayless polymer.

"The clay can be added at the final stages of polymer processing without any change in the current industrial practices," Manias said. "The thermodynamics drive the nanometer disper-



Evangelos Manias, assistant professor of materials science and engineering, has found a way to add clay to plastics, with beneficial results.

Photo: Greg Gracia

sion of the clay through the polymer and the small amounts of clay do not cause any wear in the equipment. Manufacturers can use the same equipment, timing and settings as in their normal process."

Andrea Messer can be reached at aem1@psu.edu.

Flexibility helps build competitive advantage

By STEVEN M. INFANTI
Smeal College of Business Administration

Two University professors have developed a new method that will allow firms to more accurately estimate the additional cash flow a capital purchase can generate.

In recent years many firms have found it increasingly important to invest substantially in technology to maintain a competitive edge. Firms, however, often overlook the value of manufacturing flexibility when considering capital purchases and that can cost them millions.

"If a firm is analyzing the purchase of a new machine, it is easy to determine the value of added capacity or increased production efficiency, but most firms overlook the value of increased manufacturing flexibility," noted Elena Katok, assistant professor of management information systems in the Smeal College of Business Administration.

She recently co-developed a practical method for research planning under uncertainty. William Tarrantino of the Center for Army Analysis at Fort Belvoir, Va., and Terry F. Harrison, professor of management science, worked with her.

The researchers were able to show the approach they developed is more accurate than several commonly used methods and successfully applied the approach to an investment problem faced by a major aviation industry firm. Their recommendations resulted in an estimated annual savings in excess of \$1 million.

Technological improvements often require superior production methods, and some firms find themselves constantly evaluating opportunities for investments in new production resources. Production investment decisions are extremely difficult because they involve planning under uncertainty. Decision flexibility, Harrison noted, is the ability to postpone decisions until more information is obtained. When a new production resource is added to the current system, it can increase decision flexibility by either providing additional capacity where it is needed, or by providing an additional routing for a part.

Cocoa, dark chocolate have positive effect on 'bad' cholesterol, according to preliminary study

By BARBARA HALE
Public Information

A University-led study has found that a diet high in flavonoid-rich cocoa powder and dark chocolate had favorable effects on LDL ("bad" cholesterol) when compared with a diet that limited or excluded other flavonoid sources such as tea, coffee, wine, onions, apples, beans, soybeans and orange and grape juices.

Penny Kris-Etherton, distinguished professor of nutrition and leader of the study, said, "Cocoa and chocolate are 'fun foods' and I think these results show that they can contribute to a healthy diet — especially if they are used in forms that don't include large amounts of fat and sugar. However, cocoa and chocolate shouldn't be considered significant sources of flavonoids in the same category with fruits and vegetables which also have fiber, vitamins and minerals."

The current study was the first to evaluate and compare

LDL (low density lipoprotein) susceptibility to oxidation when the test subjects, 23 men and women, ate an average American diet purposely made low in flavonoids and a diet that contained about one and a quarter ounces (38 grams) of cocoa powder and dark chocolate which are rich flavonoid sources. Oxidation of LDLs is thought to play an important role in the development of atherosclerosis or hardening of the arteries. Increasing LDL's resistance to oxidation is thought to possibly delay the progression of the disease. Flavonoids, which are present in a wide variety of plants, have long been known to inhibit LDL oxidation.

Kris-Etherton's co-researchers are Ying Wan, who earned her master's degree in nutrition at Penn State; Joe Vinson, a faculty member at the University of Scranton; Terry D. Etherton, distinguished professor and head of the dairy and animal science department; John Proch, a technician at the University of Scranton; and Sheryl A. Lazarus, scientist in the Nutritional and Applied Science Group, Mars Inc. The study was sup-

ported by the American Cocoa Research Institute.

The subjects had blood drawn at the end of each diet period. The LDL was extracted from each blood sample and then subjected to oxidation in the laboratory. The researchers noted the amount of time it took for oxidation to begin, the rate at which oxidation proceeded and the amount of oxidized fatty acid produced.

When the subjects ate the cocoa and chocolate-containing diet, oxidation occurred about 8 percent slower compared to when they ate the experimental average American diet. Analysis of their blood plasma also showed that total antioxidant capacity was 4 percent greater after the cocoa and chocolate containing diet. HDL cholesterol (the "good" cholesterol) was 4 percent higher after the chocolate diet than after the average American diet.

Barbara Hale can be reached at bah@psu.edu.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

Volume 31

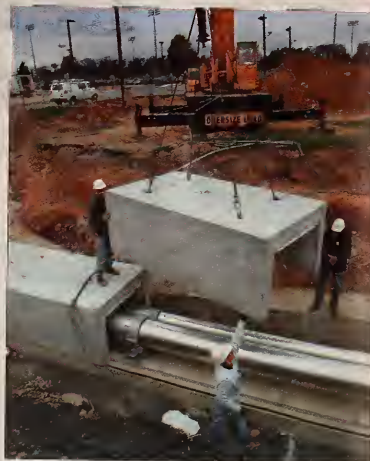
Issue 16
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Under construction



Steel workers prepare another large steel beam to be lifted into position and pounded into the ground for foundation work for the new chemistry building on the University Park campus. It will consolidate the work of the chemistry department, now spread over six buildings, and is expected to be completed in the fall of 2003.

Photos: Greg Grieco

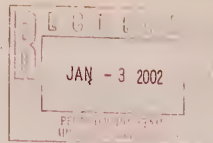


Construction has begun on the Information Sciences and Technology Building on the University Park campus, above. The building will straddle U.S. Business Route 322 and bring together under one roof both IST and the Department of Computer Science and Engineering. The project is expected to be completed in late 2003. **At left**, work has been progressing on the installation of underground utilities for the new life sciences building, to be built between Eisenhower Auditorium and Thomas Building on the campus. Construction is expected to be completed by mid-2003.



Intercom

INFORMING THE PENN STATE COMMUNITY



NOVEMBER 29, 2001

John Cahir announces retirement

John J. Cahir, vice provost and dean for undergraduate education and professor of meteorology, has announced his intention to retire from the University effective Sept. 1.



John Cahir

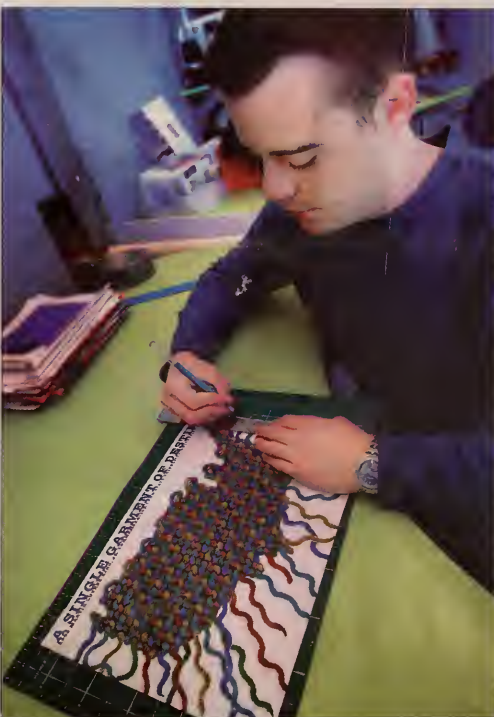
Cahir has had a distinguished career dating back to 1965 that has focused on providing the best educational opportunities for students. Over the years, he helped shape the weather forecasting

abilities of thousands of students, contributing to the University's reputation as one of the premier meteorology programs in the world.

"John has been a champion for excellence in teaching and learning at Penn State, a tireless advocate for students — both graduate and undergraduate — and an innovative leader in developing new ways to engage students and faculty in interactive and collaborative forms of education," said Rodney A. Erickson, executive vice president and provost. "He also has contributed greatly in helping low-income, first-generation students, undecided majors and students in interdisciplinary studies to achieve their educational goals. His contributions and leadership on many successful teams to improve advising, teaching, classroom facilities and assessments of various kinds are immeasurable."

In his role as vice provost and dean since 1993, Cahir has been responsible administratively for assessment and support of the general education program, and for improving teaching and advising at all University locations. He also has led

'Garment of Destiny'



Junior art student Erik Baxter trims the edge of his poster illustrating the 2002 Martin Luther King Jr. Commemoration theme, "A Single Garment of Destiny." For the story, plus a listing of planned events, see page 6.

Commencement set for Dec. 15 at University Park

By ALISON KESSLER
Public Information

The University Park campus will hold its fall 2001 commencement ceremonies for approximately 3,300 associate, baccalaureate and graduate degree students on Saturday, Dec. 15.

Undergraduate baccalaureate and associate degrees will be awarded at 10 a.m. and 1 p.m. in The Bryce Jordan Center. Graduate degrees will be awarded at 3:30 p.m. in Eisenhower Auditorium.

As of mid-November, 3,304 students are scheduled to receive degrees at the University Park ceremonies. That figure includes 21 associate, 2,616 baccalaureate, 474 master's, and 193 doctoral degree students. Systemwide, Penn State will graduate a total of 4,695 students — approx-

Commencement, page 3

Check WPSU Radio for official emergency weather information

If severe weather creates an emergency, University Park students and employees can dial to WPSU-FM, the University's public radio station, for the official update on activities on the campus.

"Severe winter weather plus hazardous conditions may or may not lead to delays or changes in the schedule," said Thomas Harmon, director of University Police Services. "Once that official decision is made, the first call goes to WPSU as the University's emergency information source. Nearly all employees and students as well as the public can rely on the radio station."

When notified, WPSU, which is on the air 24 hours a day, will begin live broadcasting earlier than its usual start time of

Weather, page 2

Reminder: SERS election deadline near

The Office of Human Resources would like to remind participants in the State Employees' Retirement System (SERS) that it is important to act on recent changes to the retirement code.

An important aspect of the recent state retirement legislation involves the election of the new Class AA. Election forms were mailed earlier this year to all active SERS members. Class AA service is not automatic. Members must elect Class AA service by filling out the election form by Dec. 31.

Class AA will increase the current 2 percent multiplier to 2.5 percent. It also will result in an increase in the current contribution rate of 5 percent to 6.25 percent. The new contribution rate will be effective the first pay in January. SERS members are urged to consider the long-term benefit of the increased retirement benefits. The additional contributions also will increase the lump sum available when the member leaves service.

For more information contact the local SERS field office at (800) 633-5461.

Time to choose is running out

Faculty and staff are reminded that benefit changes for 2002 must be submitted no later than Nov. 30. "Open Enrollment 2002" can be accessed from the Employee Benefits Web page at <http://www.ohr.psu.edu/benefits/benefits.htm>. It is important to remember that contributions to either of the flexible spending accounts (health care or dependent care) must be renewed each year even if the contribution amount per pay will not change.

TDA limits to change

Recent federal tax legislation increases the amount that individuals may voluntarily contribute to a tax-deferred annuity. The limit for all participants will be 100 percent of salary or \$11,000, whichever is less. Participants who are age 50 or older or who will reach age 50 in 2002 may contribute an additional \$1,000. Faculty and staff who are making maximum contributions in 2001 must complete a new salary reduction

agreement in order to begin contributions at the new higher level. Salary reduction agreements are available for download and printing at <http://www.ohr.psu.edu/benefits/tsra.htm>.

Attention MPDP members

As the holiday break approaches, it is important to make sure that Maintenance Prescription Drug Plan (MPDP) members have enough medication to last through the holidays.

To allow the pharmacy staff adequate time for processing, submit requests for refills to the University Health Services Pharmacy by Dec. 7. The fastest way to get refill information to the pharmacy is by using the automated refill system. Call (814) 865-9321 or (800) 821-7285 and select option 3. Callers should have their seven-digit prescription number handy and follow the directions. The seven-digit prescription number can be found in the upper left hand corner of the prescription label.

Cahir

Continued from page 1

a substantial effort to attract and support special populations of students at the University.

In addition, a large number of academic support units fall under Cahir's administrative supervision. These units include: the Division of Undergraduate Studies, the Morgan Academic Support Center for Student-Athletes; Center for Excellence in Learning and Teaching; Reserve Officers' Training Corps units; Undergraduate Fellowships Office; Undergraduate Information and Communications; and University Testing Services.

"John Cahir has been a hero in advancing the quality of undergraduate education at Penn State for more than three decades," said President Graham B. Spanier. "His fervent dedication to students and contributions as a professor and administrator have been beyond measure. I value greatly the experience of working with John, and I marvel at his untiring devotion to this University."

Cahir earned both his bachelor of science and his doctoral degree in meteorology from Penn State before joining the faculty in 1965. He rose through the ranks from instructor to professor by 1980, and served the College of Earth and Mineral Sciences as associate dean for resident instruction from 1980 to 1993 before assuming his current role in University administration.

His research and teaching has focused on synoptic meteorology and climatology, and he led a pioneering group applying computer technology in weather stations. He has been a leader in the atmospheric sciences nationally and internationally, as United States member of the World Meteorological Organization's Commission for Atmospheric Sciences and as chair of the Earth Science Advisory Council of the Universities Space Research Association. He also has served on the council of the American Meteorological Society and as president of the National Weather Association.

Cahir has served on the University's Faculty Senate continuously since 1973, and has been a member of the Senate Council; an elected member of the Senate's faculty advisory committee to the president; and chair of the body's faculty affairs and planning and development committees, among many other Senate commitments. He also has led many commissions, committees and panels on educational and resource matters, both within the University and nationally.

Weather

Continued from page 1

5 a.m. and will interrupt regularly scheduled programming to give periodic updates throughout the day or night.

WPSU-FM — 91.5 in State College, Bellefonte, Lock Haven and surrounding areas; 90.1 in the northern counties — also is on the Web at <http://www.wpsu.psu.edu>. For a list of WPSU station frequencies, go to <http://www.wpsu.psu.edu/about.html>. The same official information also will be available at (814) 865-4000.

Even when class and office delays or cancellations are announced, the University Park campus never really closes — students and hotel guests still need to be fed; research projects and essential services need to continue; and agricultural research animals need care. In addition, University Police and both The Nittany Lion Inn and The Penn State Conference Center Hotel always are open.

"Some of the factors in the University's decision to delay or cancel activities differ from those considered by area public schools," Harmon said. "While we both are concerned about road conditions for buses and commuting employees, the school districts also need to be concerned about the health and safety of children getting to and waiting for school buses. Most students at University Park live on or close to campus,



Tune your radio to WPSU-FM during bad weather for official information regarding class and office delays and cancellations on the University Park campus.

Photo credit: Greg Grunco

but in addition to road conditions, we need to be concerned about the availability and condition of our parking lots and maintaining services that affect safety and health."

Employees in essential services, and operations are expected to report for work in most circumstances, and should contact their supervisor soon — before winter

weather strikes — with any questions they may have about their status.

Employees also should review "Handling Weather Day Absences," Human Resources Guideline 10 on the Web at <http://www.psu.edu/policies/OHR/hrg10.htm> — for specific information on how time missed is handled.

Leaving campus for winter break?

Stay in touch with Penn State through the Employee Newswire. It's easy. Just go to the Web at <http://newswire.psu.edu/> to sign up for your FREE Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees. During December, Employee Newswire will include timely information that normally would be published in *Intercom*. Employee news updates also will be posted on the Web at <http://www.psu.edu/INTERCOM/>.

American icon, geneticist to receive honorary degrees Dec. 15

BY ALLISON KESSLER
Public Information

Historian Arthur M. Schlesinger Jr. and scientist Leroy Hood will be awarded honorary degrees during fall commencement ceremonies at University Park Saturday, Dec. 15.

Hood will receive an honorary doctor of science degree and will be the speaker at the undergraduate commencement at 10 a.m. Saturday, Dec. 15, in The Bryce Jordan Center. Schlesinger will receive an honorary doctor of humane letters degree and will



Leroy Hood

speak at the undergraduate commencement at 1 p.m. Saturday, Dec. 15, in The Bryce Jordan Center.

Hood is recognized as one of the world's leading scientists. A prominent geneticist and researcher, he is the founding director of

the Institute for Systems Biology, where systems approaches to biology and medicine are pioneered. Hood's research has resulted in laying the technological foundation for contemporary molecular biology, and his development of instrumentation has revolutionized genomics, enabling the rapid automated sequencing of DNA. He is a central figure in the Human Genome Project and played a role in deciphering the secrets of antibody diversity.

Hood previously held the Gates profes-

Scholars honored at medals ceremony

The University will hold a medals commencement ceremony for the fall 2001 graduating class of the Schreyer Honors College at 4 p.m. Friday, Dec. 14, at The Penn State Conference Center Hotel on the University Park campus.

scholarship of biomedical sciences at the University of Washington and was founding chair of the Department of Molecular Biotechnology there. A member of the National Association of Sciences and the American Association of Arts and Sciences, Hood holds numerous patents awards, including the Edman Award from the International Association of Protein Structure Analysis and Proteomics; the Distinguished Service Award from the American Association for Clinical Chemistry; and the American College of Physicians Award for distinguished contributions in science as related to medicine.

Schlesinger, a renowned historian, educator, prolific writer and public servant, is an American icon of reasoned democracy, social justice and intellectual freedom. The author of numerous books, Schlesinger is the recipient of two Pulitzer Prizes for *The Age of Jackson* and *A Thousand Days: John F. Kennedy in the White House*. Additional awards include two National Book Awards; the Francis Parkman Prize for History; the Bancroft Prize; and the Gold Medal for History from the American Academy of Arts and Letters.

Cheryl Achterberg, dean of the Schreyer Honors College, will speak. President Graham B. Spanier will present the medals, which were designed by John A. Cook, professor emeritus of art, to the approximately 60 graduating scholars.

A graduate of Harvard University, he served as a special assistant to Averell Harriman in Paris during the first months of the Marshall Plan; a member of Gov. Adlai Stevenson's campaign staff; and a special assistant to President John F. Kennedy. After holding the Albert Schweitzer professorship in the humanities at the Graduate School of the City University of New York, he served as president and then chancellor of the American Academy of Arts and Letters. A former president of the Society of American Historians, Schlesinger has been co-chair of the Franklin and Eleanor Roosevelt Institute since 1983. He is a trustee of the Century Foundation and a member of the advisory board of the Arthur and Elizabeth Schlesinger Library on the History of Women in America. Schlesinger's contribution to, and keen observations of, major world events and political decisions during the 20th century, will continue to serve future generations.

The University awards honorary degrees to scholars, performers, artists and practi-

ROTC commissioning planned for Dec. 15

The Reserve Officers Training Corps (ROTC) commissioning ceremony will be held at 7:30 p.m. Friday, Dec. 14, in the Music Recital Hall in Music Building on the University Park campus.

Col. Steven Paladini, professor of aerospace studies and ROTC in-service coordinator, will preside over the ceremony. John Cahir, vice provost and dean for undergraduate education, also will speak.

Diane M. Disney, professor of management and Commonwealth College dean, will be the guest speaker and will swear in 25 students as new officers in the armed forces.

For seven years preceding her time at Penn State, Disney served as deputy assistant secretary of defense for civilian personnel policy. She oversaw the development and implementation of policies for managing the department's work force of nearly 1 million civil service and other employees.

Joshua Montgomery is student marshal. The ceremony is open to the public.

ticians in academic fields or individuals who have made particularly distinguished contributions to society in areas such as public service, business or government. This year's recipients were nominated by a 15-member faculty committee and approved by President Graham B. Spanier and the Board of Trustees.

Commencement

Continued from page 1

mately 375 with associate degrees, 3,384 baccalaureate degrees, 932 graduate degrees, and four juris doctorate degrees.

President Graham B. Spanier will confer degrees at the undergraduate baccalaureate and associate degree ceremonies and The Graduate School program. Rodney Erickson, executive vice president and provost, will preside at the baccalaureate and associate degree ceremonies, and Eva Pell, vice president for research and dean of The

Graduate School, will preside at The Graduate School ceremony.

Scientist Leroy Hood, the speaker at the 10 a.m. undergraduate degree ceremony, will receive an honorary doctor of science degree. Historian Arthur J. Schlesinger Jr., the speaker at the 1 p.m. undergraduate degree ceremony, will receive an honorary doctor of humane letters degree.

The following colleges will hold associate and baccalaureate degree ceremonies at

10 a.m. in The Bryce Jordan Center:

- College of Agricultural Sciences
 - The Smeal College of Business Administration
 - College of Earth and Mineral Sciences
 - College of Engineering
- The following colleges will hold undergraduate associate and baccalaureate degree ceremonies at 1 p.m. in The Bryce Jordan Center:
- College of Arts and Architecture

- College of Communications
 - College of Education
 - College of Health and Human Development
 - College of the Liberal Arts
 - Eberly College of Science
- Raymond T. Coward, dean of the College of Health and Human Development, will be the speaker at The Graduate School ceremony at 3:30 p.m. in Eisenhower Auditorium.

OUTREACH

Altoona students to teach local and regional youth about environmental issues

Political science students from Penn State Altoona have created an all-day event to teach local and regional youth aged 11-14 about land use and environmental issues facing Pennsylvania communities. The role-play will engage young adults in an action-oriented event where local land-development issues are discussed and participants can act out one of many roles in a mock-decision scenario. The role-play is especially suited to young people with an inter-

est in development issues, agriculture and public service. Enviro-Play 2001 will be an all-day, interactive role-play designed to allow younger teens to interact with their peers and local officials from government, environmental and other organizations.

"These children will gain valuable insights into both the positive and negative environmental, social and political aspects of land development in our communities," said

Frank Higdon, senior lecturer in the College of Agricultural Sciences.

Members of local 4-H clubs, Boy and Girl Scout troops and youth organizations are encouraged to take part in the event.

Enviro-Play 2001 will be held from 9:30 a.m. to 4 p.m. Saturday, Dec. 1. Call (814) 865-9218 for more information and pre-registration.



From the Trustee Docket

Golf course with environmental focus planned near Penn Stater

The Board of Trustees on Nov. 16 heard of a proposal for the development of a championship, daily fee golf course that would be built on University property adjacent to The Penn Stater Conference Center Hotel. Gary Schultz, senior vice president of finance and business, while introducing the project said, "About a year and a half ago, Matt and Chris Bahr approached us with the concept of developing a golf course on University lands north of Innovation Park." Indicating that some work had been done since then, Schultz went on to say, "We believe we are now at an appropriate point to more fully explore this proposal."

The proposed course would use students and faculty from the Professional Golf Management Program and the College of Agricultural Sciences Turf Grass Management Program, and would have a particular focus on the environmental conditions in the area.

Under the plan presented to the trustees, the University would lease approximately 250 acres to a private partnership known as Lion Golf. State College developer Bob Poole is the managing partner of the group, which also includes Chris and Matt Bahr, Eddie Lauth and PGA tour pro Nick Price, who is expected to be involved in designing the golf course.

Market demographics suggest that there is an unmet need of between 85,000 to 110,000 rounds of golf annually. That is enough unmet demand to support three more golf courses in the area.

Dan Sieminski, assistant vice president for finance and business, told the trustees that the course will be designed and developed in ways that will consider the environmental conditions in the area.

"The developers are committed to making this a showcase for developing an environmentally sensitive golf course. They will develop a Natural Resource Management Plan in concert with Audubon International to ensure that they properly address wildlife habitat, waste management, energy efficiency, water quality and conservation, and pest management. The course also will present an opportunity to use effluent from the University's waste water treatment plant to irrigate the course, and

turf management practices will be employed to ensure environmental stability of the soils on the course," said Sieminski.

Despite tremendous growth in the Centre Region, there has not been a new golf course built in the area for the past 30 years. Market demographics suggest that there is an unmet need of between 85,000 to 110,000 rounds of golf annually. That is enough unmet demand to support three more golf courses in the area.

In addition to partnerships with the Turf Grass Management and Professional Golf Management programs, the new golf course also will provide practice opportunities for the University's golf teams, taking pressure off the Blue and White courses for tee times.

The University would have no financial investment in the project, but would receive revenue from the 60-year land lease. The course also would serve as an enhancement to the amenities offered at The Penn Stater.

The land for the course would need to be rezoned to make the golf course possible. Rezoning of the land would make it taxable for College Township, Centre County and the State College Area School District.

DOCKET IN BRIEF

Enrollment objectives met

Penn State's fall 2001 enrollment figures reflect the University's continuing efforts to keep growth modest and controlled, the Board of Trustees learned.

The University restructured its statewide system in 1996 to provide increased opportunities for students to complete their degrees at a campus other than University Park.

"Penn State is meeting its goals to stabilize enrollment at the University Park campus and to allow for modest growth in the number of juniors and seniors at other campus locations," according to John Romano, vice provost and dean for enrollment management. "University Park enrollment is within the targeted range, and upper division enrollment at the campus colleges has increased as planned due to the increase in the number of baccalaureate degree programs offered at the campuses."

For the full story, visit <http://www.psu.edu/ur/2001/bot16novenroll.html>.

Unit gains departmental status

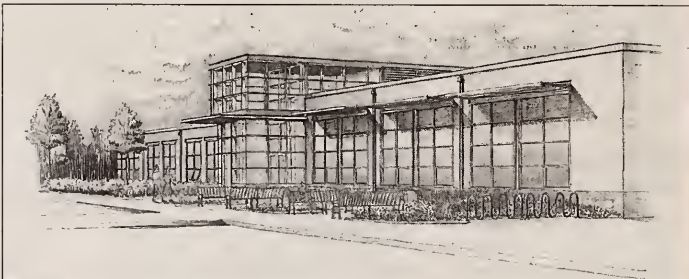
The Board of Trustees unanimously approved a proposal granting full departmental status to the division of dermatology at Hershey Medical Center and the College of Medicine.

The decision has potential expansion of clinical programs, which will increase the ability to care for dermatology patients in the region and generate more revenue for the medical center. As a department, dermatology also expects to expand its research and educational programs. Departmental status also will improve the ability of dermatology researchers to draw down increased funds for research and improve efforts to recruit and retain talented faculty, residents and fellows.

For the full story, visit <http://www.psu.edu/ur/2001/bot16novdermatology.html>.

Graduate School diversity

The Graduate School continues to explore ways to diversify its student body and increase opportunities for financial



This artist's rendering shows the addition to Franco Building at Penn State Berks. The board approved preliminary plans for the project on Nov. 16. For more information, see the story below.

assistance through graduate fellowships. An informational report to the Board of Trustees by Eva Pell, vice president for research and dean of The Graduate School, detailed how these efforts are shaping the school's enrollment and the wide array of program offerings.

Based on the most recent report from the Survey of Earned Doctorates, graduate education at Penn State climbed to eighth in national rankings. A total of 90 doctoral, 114 academic master's and 78 professional master's degree programs enroll an overall graduate enrollment for the fall 2001 semester of 10,306 students; 6,289 of those students are enrolled at University Park.

For the full story, visit <http://www.psu.edu/ur/2001/bot16novgrad.html>.

Land leased to ambulance service

The Board of Trustees approved a \$1 per year land lease to the Alpha Community Ambulance Service to enable the

service to build a new facility to better serve the Centre Region, State College and the University Park campus.

The 60-year-old Alpha Community Ambulance Service will relocate its corporate headquarters, currently located along South Atherton Street, to a 4-acre parcel of University land along College Avenue on the east side of campus in College Township.

For the full story, visit <http://www.psu.edu/ur/2001/bot16novlandlease.html>.

Architect, campus plans approved

The Board of Trustees approved the appointment of an architect for an addition to Perry Hall at Penn State Erie, preliminary plans for an addition to Penn State Berks' Franco Building and final plans for a new Administration Building at Penn State Beaver.

For the full story, visit <http://www.psu.edu/ur/2001/bot16novpp.html>.

Penn State's Portal gives its users control of the Web

BY TYSEN KENDIG
AND DOUG STANFIELD
Public Information/University Relations

These days, virtually every antique store, karate studio or psychic adviser has a Web site. But Penn State is now offering students—and soon, faculty and staff—a new tool to filter some of the clutter of today's World Wide Web and focus on bringing all the Penn State information they want and need to their desktop.

The new Penn State student portal (<http://portal.psu.edu/>) empowers users—currently anyone with a Penn State access account—to personalize and customize their Web content and display, letting them pick and choose the information that's most important to them. This portal project is the first of many steps aimed at enabling Web users to control an often bewildering volume of information.

"The portal allows us to address a fundamental challenge of the Web at Penn State," said Jim Leous, team leader for the portal project and manager of Unix systems and technical solutions of advanced information technologies at the Center for Academic Computing. "There is simply no way for one Web site design to fit everyone's needs. There is too much information to make that a practical consideration, and each individual has specific needs and goals that no Web developer can entirely anticipate. We now have technology good enough to allow us, for the first time, to empower people, to essentially just get out of their way."

The portal project complements the University's traditional home page—<http://www.psu.edu/>—which will evolve into a "front door" primarily for external audiences. The home page will remain a

Attention content providers

The portal project wants you and your site content as a new channel. With some very simple retooling of your Web site, you can make your content available as a special channel in the portal. Go to <http://www.psu.edu/portalproject> to obtain help for new users and information on how to get a channel started.

Automated system to manage University's bandwidth.....page 16

place for prospective students, their parents and others to learn about the University, access services, search for people or departments, or gather information.

In fact, the core functions of the overall existing Web site will change little, giving the general public, and government, business and industry many ways to interact and work with the institution.

The real difference will be for the enrolled student. Through the portal, each user selects the kind of information he or she wishes to see upon visiting the site while filtering out other information options. Also in the works are plans to integrate the portal with eLion, the students' online academic resource.

Among the comprehensive and still-growing menu options are academic news and information; career planning links; weather; technology sites; calendars; Web e-mail; the *Daily Collegian*; facts about Penn State; Web camera views; and links to frequently used services. Built into the design is the ability to easily add or sub-

University's WebMail up and running

By GARY W. CRAMER
Public Information

With so many academic and professional activities keeping Penn State on the road, a new Web client has come to the rescue for those who want a more convenient way to manage their psu.edu e-mail when away from their usual work or home computer.

Penn State WebMail, found at <http://webmail.psu.edu/>, is a Web-based way for students, staff and faculty to access their e-mail from any computer with Internet access via a browser. Authentication for e-mail storage in WebMail are possible through the user's existing Penn State access account user identification and password.

Christopher Hubing, research programmer with the Center for Academic Computing (CAC), said the easy-to-use WebMail interface lets users check and send their e-mail over a secure connection; create and organize mailboxes; access directory serv-

ices; create and add personalized signatures; and change settings. Instructions are available online at the WebMail site and a FAQ can be found at <http://cac.psu.edu/atit/webmailfaq/>.

"The response to WebMail has been very positive," said Hubing. "People enjoy being able to check their mail anywhere without requiring a disk or special software. It is especially helpful for faculty who travel often without a laptop computer, but who have access to some other computer with a browser wherever they happen to be."

Use of the service has grown steadily, he added. About 2,000 people per day were using WebMail in the first week of the fall semester, compared to the current average of nearly 5,000 per day. Among the users is President Graham B. Spanier, who noted in his recent State of the University address that he served as the first alpha tester for the service.

For more information on the WebMail service, e-mail webmail@psu.edu.

tract these information "channels" at will.

The portal infrastructure allows users to log into a personalized Web viewer from any PC, Unix machine or Mac, anywhere in the world and retrieve the same lineup of personal content they selected for themselves. No special software is required other than a standard Web browser.

"The portal stands the ordinary Web application on its head," said Leous. "We've designed a program where the end user can easily personalize his or her view of information. Rather than the 'old school' where the Web designer knows best, the 'new school' says the end user can determine how he or

she wants that information presented."

"We believe the portal allows the World Wide Web at Penn State to become a self-service information application."

The team of University engineers and programmers hopes to see thousands of regular student users by the spring semester. Although plans are under way for a faculty- and staff-oriented portal, anyone with a valid Penn State access account can currently use the student portal, provide feedback and suggestions and join the ranks of portal content providers.

Comments and questions can be directed to portal-feedback@psu.edu.

Faculty Senate agenda set for Dec. 4 meeting

The University Faculty Senate will meet at 1:30 p.m., Tuesday, Dec. 4, in 112 Kern Graduate Building, University Park. Items to be discussed include:

- Committees and Rules — changes in Constitution, Article II, Section 5; Standing Rules, Article II, Section 6(f); and Standing Rules, Article II, Section 6(f) (legislative);
- Undergraduate Education — revision of Senate Policy 47-20: Basis for Grades (legislative); and new Senate Policy 43-00: Syllabus (legislative);

- Admissions, records, scheduling and student aid — reserved spaces program (informational);

- Curricular Affairs — curriculum report of Nov. 20 (informational);

- Undergraduate Education — summary of student petitions by college, unit or location (informational); and major accomplishments of the Teaching and Learning Consortium — first two years, John A. Brighton, University professor and chair of the Teaching and

Learning Consortium (informational); and

- University Planning — visual construction report of academic buildings, William J. Anderson Jr., assistant vice president of physical plant (informational); and security briefing — Thomas R. Harmon, director of Police Services (informational).

Members of the University community may attend. Any member of the University community who is not a member of the Senate may request the privilege of the floor on any item of business already before the Senate.

Such a request must be made to the chair, through the executive secretary of the Senate, at least four calendar days before the meeting at which the individual wishes to speak.

For information on how to submit major, minor, option or course proposals, the "Guide to Curricular Procedures" is now available on the Web from the Faculty Senate home page at <http://www.psu.edu/sfs/>.

Center for Adult Learner Services now accepting award nominations

The Center for Adult Learner Services on the University Park Campus is now accepting nominations for its 2002 Outstanding Adult Student Award.

Faculty, staff and currently enrolled adult students may nominate an adult learner who has overcome obstacles and multiple roles to further his or her education; serves as a role model for other students; achieves academically; has sensitized the University to adult learners' needs; and has clearly defined short- and long-range educational goals.

To qualify for the award, a student must have begun or resumed studies at or after the age of 24 or after having been out of high

school for four years. They must have been enrolled at University Park as a full- or part-time undergraduate or graduate student within four months of nomination. Undergraduates must have completed 45 credits, taking at least 30 of them at Penn State, and graduate students must have earned a minimum of 15 graduate credits. Undergraduate nominees will receive preference in consideration.

Nomination packets may be obtained by calling (814) 863-3887 or by stopping by the center at 323 Bouckie Building or the HUB-Robinson Center information desk. Completed packets must be returned to the Center by 5 p.m. Thursday, Dec. 20.

Keep on top of the latest University news through the **Employee NewsWire**. To subscribe, go to the Web at <http://news.wires.psu.edu/>



Martin Luther King Jr. Day

King poster design highlights interconnectedness

By GARY W. CRAMER
Public Information

A design featuring multi-colored strands of yarn leading into and out of a piece of fabric shaped like the United States will serve as a "teaching point" on posters and buttons for the 2002 Martin Luther King Jr. Commemoration at the University.

Created by junior art student Erik Baxter, the design was picked from a field of 18 individually developed proposals to illustrate the 2002 commemoration theme, "A Single Garment of Destiny." Such proposals are submitted annually by students taking a graphic design course taught by Lanny Sommesse, professor of art, and are treated for career training purposes as a serious commission from the University's Martin Luther King Jr. Commemoration Planning Committee. The committee selects the top design and uses it for posters, buttons and other items to be distributed across campus.

"My initial reaction to the theme was the idea that we are all woven together to form one beautiful tapestry," said Baxter. "Every race is a colored thread. The rest of the quote from which the theme was drawn reads 'Whatever affects one directly, affects all indirectly.'"

Baxter's first design showed the entire world woven together into one fabric. The bottom of the world was fraying with one strand being pulled away, loosening the rest of the fabric. He eventually reworked the concept "to make it more relevant to the theme, and to give a positive image of

Annual MLK Memorial Banquet is Jan. 15

Focusing on a theme "The Shoulders We Stand on," the Forum on Black Affairs will sponsor its 27th Annual Martin Luther King Jr. Memorial Banquet at 6 p.m. Tuesday, Jan. 15, in President's Hall at the Penn State Conference Center on the University Park campus.

This year's theme is drawn from King's "letter from Birmingham City Jail" and other speeches in which he referred to the shoulders that we stand on. The forum has adapted this as the theme for this year, because in these troubled times it is important to remember "from whence we came to help clarify where we are going."

A featured presentation during the banquet will be the 2002 Humanitarian Service Award. The award was created in 1985 to honor a person who has provided outstanding service to African-American citizens of Pennsylvania, especially at the University and in the Centre County region. Such service includes leader-

ship of offices, programs or organizations that develop or implement policies impacting African-Americans.

Nominations are currently being sought. To nominate a candidate, submit a letter of not more than two pages that describes the nominee's credentials and qualifications for the award, and attach any relevant supporting material such as newspaper or magazine articles. Nominations must be sent no later than Dec. 14 to W. Terrell Jones, vice provost for educational equity, 314 Old Main, University Park, PA 16802.

Tickets are \$25 for adults, \$12 for children age 12 and under, and \$275 for a reserved table of 10. All tickets will be issued on a first-come, first-served basis. A portion of the cost for each table will go toward the Forum on Black Affairs Scholarship Fund. Tickets may be obtained by contacting Michael Phillips at map5@psu.edu or (814) 863-1411 for ticket request forms.

what the United States should represent."

Inspired by the theme, based upon quotes by King referring to the importance of international ties between the United States and other countries, many of the students featured fabric and flag-related imagery in their proposals. Hands and arms also figured heavily in various designs, sometimes in conjunction with flags.

"My friends always joke about me being an art major, but they have no idea the

long hours and hard work we put into our designs," Baxter said. "Graphic design is more about solving a problem than about making art, so the challenge to my creativity is very appealing to me."

"It is a great honor to have my design chosen," he added. "This recognition made all the long hours of work very worthwhile. It is not every day that, as a student, you can have your work seen and appreciated by such a large audience. It makes

me very proud when we in the graphic design program can make our talents available to the community."

Baxter's design stood out from the others by eschewing a bright red-white-and-blue color scheme in favor of muted shades of yellow, purple, green, blue and red.

"It is strikingly different than any design we've had in the past," said committee member Lea Asbell-Swanger, events manager for Eisenhower Auditorium. "It suggests that we all have come from somewhere else and still have a link to that place."

It also will create moments for instruction about the 2002 theme, said Thomas Poole, associate vice provost for educational equity and chair of the committee.

"This year's theme is derived from one of Dr. King's most famous statements about the interrelatedness of all peoples," Poole explained. "He frequently pointed out, 'We are caught in an inescapable network of mutuality, tied in a single garment of destiny.' We felt this theme illustrates the way in which Dr. King's thought remains relevant to our times, and speaks to us as we struggle to make sense of life this side of Sept. 11. Dr. King's reference to 'we' does not simply refer to those of us in the United States, but includes the worldwide family of humanity."

All 18 of the proposed designs will be displayed in the near future in the Pattee and Paterno Library, and also shown in the HUB-Robeson Center on Monday, Jan. 21, the federal observance of Martin Luther King Jr.'s birthday.

MLK DAY EVENTS

BERKS

- Jan. 21** ■ 4 p.m.: "The Meeting," a play depicting a confrontation between Martin Luther King Jr. and Malcolm X, will be performed in the Perkins Student Center auditorium. Information: Doreen Fisher, (610) 396-6067.

DELAWARE COUNTY

- Jan. 21** ■ 12:30 p.m.: A monthlong series of activities will begin with a guest speaker to celebrate the life of Martin Luther King Jr. Following the speaker, storytellers will share tales of diversity and cultural awareness. Later, students, staff and faculty will participate in a community service project. Information: Shaoluan Yu, (610) 892-1289 or sy2@psu.edu.

DUBOIS

- Jan. 21** ■ 12:15 p.m.: Celebration at the campus

Peace Pole. The video "In Remembrance of Martin" will be shown in the Hiller Building Auditorium immediately following.

- Jan. 23** ■ 7 p.m.: Greg Kenny will present a program on King's life in the Hiller Building Auditorium.

LEHIGH VALLEY

- Jan. 21** ■ All day: Students, faculty and staff will do volunteer service projects.
- Jan. 23** ■ 1 p.m.: The National Colonial Building Institute will offer training on how to welcome diversity, reframe controversial issues, handle personal conflicts and reduce violence, especially among young people. Information: Brian Mauro, (610) 285-5021

UNIVERSITY PARK

- Jan. 8** ■ 3:30 p.m.: Ann Curthoys, Manning Clark professor of history, Australian National Univer-

sity, will present "Martin Luther King and the Australian Freedom Ride" in 102 Weaver Building. Information: (814) 863-4025.

- Jan. 15** ■ 6 p.m.: Forum on Black Affairs MLK Jr. Banquet, Penn State Conference Center Hall. Information: Beverly Wilson, bgw4@psu.edu.
- Jan. 15-22** ■ 11 a.m. to 2 p.m.: Film: "Eyes on the Prize," HUB-Robeson Center, main video screen.
- Jan. 17** ■ 11:30 a.m. Celebration March, sponsored by Office of Undergraduate Education. Opening ceremony, Old Main steps, 11:30 a.m. Closing ceremony, Heritage Hall, HUB-Robeson Center, 12:45 p.m. Information: Tineke Cunningham, tcunning@psu.edu.
- Jan. 19** ■ 2 p.m.: Monographs on African-American Culture, Pavilion Theatre.
- Jan. 21** ■ All day: Day of Service. Information: Rebecca Levin, rg113@psu.edu; Jeffrey Paradise, jlp205@psu.edu; or check the Web at

<http://www.clubs.psu.edu/usg/mlk>.

- 9 a.m. to 5 p.m.: Continuous showings of films in the Paul Robeson Center, Room 19: "In Remembrance of Martin," "Dr. Martin Luther King Jr. — A Historical Perspective," "The Speeches of Martin Luther King Jr." and "At the River I Stand."
- 11:30 a.m.: Community Commemorative Bell Ringing Ceremony, Heritage Hall, HUB-Robeson Center. Information: Lydia Abdullah, (814) 865-7641.
- 7 p.m.: MLK Day of Service Celebration, keynote speaker: Yolanda King, Eisenhower Auditorium.
- Jan. 22** ■ 10 a.m. to 2 p.m.: Volunteer Fair, Alumni Hall, HUB-Robeson Center. Contact: Susan James, (814) 863-4624.

WILKES-BARRE

- Jan. 14** ■ Noon: King's Dream will perform in the Blerly Auditorium (Science Building).



Appointments

Penn State DuBois names campus alumni relations officer

Penn State DuBois announces the addition of a new staff member to coordinate alumni activities at the campus.

Charlene M. Gaus is the new campus alumni relations officer. Her duties will include overseeing all functions and activities of the campus alumni relations program, including working with the Penn State DuBois Alumni Society board of directors to coordinate its many annual projects.

Gaus also will help create a strategic plan for the board and develop and implement new alumni programs and activities, as well as participate in long-range planning for the campus Advancement Office.

An alumna of Penn State DuBois, Gaus earned a bachelor of arts in speech communication from the University and a master's



Charlene M. Gaus

degree in Student Affairs in higher education from Indiana University of Pennsylvania.

Gaus was a residence hall director at the State University of New York College at Fredonia, where she supervised resident assistants and desk receptionists in a 200-student residence hall.

Following her years at Fredonia she accepted the positions of assistant director of residential life and student activities specialist at Dickinson College in Carlisle. In these roles she supervised undergraduate residential life staff and coordinated all aspects of student life staff selection and training.

Most recently, she was employed as a trust administrative assistant at Orrstown Bank in Shippensburg.

Smear College of Business Administration names interim director

Robin Stevens has been named the interim director of corporate relations for The Smear College of Business Administration.

In her role, Stevens is responsible for creating and maintaining strategic relationships with corporations and creating linkages among corporations, students and faculty. Her responsibilities involve the management of the Internship Program, the Office of Student Organizations and the Corporate Associates Program.

Stevens also serves as the director of internships and cooperative education. Her responsibilities include marketing the pro-

gram to both students and faculty; creating recruiting relationships with employers; and advising and professionally developing students through workshops, seminars and individual counseling.

Before joining the college, Stevens worked for 16 years as the program administrator of a nonprofit organization providing early childhood education and child care. She then served two years as a conference coordinator in Continuing and Distance Education at the University. Stevens also has worked as an event manager for a sports marketing firm.

Director of strategic planning begins duties at Penn College

The Pennsylvania College of Technology recently named John J. Kehoe as its director of strategic planning and research.

Kehoe comes to Penn College from the state Department of Education, where he was a higher-education research analyst responsible for a number of statewide programs and initiatives.

Before that, Kehoe served as an associate director for the National Center for Postsecondary Teaching, Learning and Assessment, a national research and development center funded by the U.S. Depart-

ment of Education and located at Penn State.

Kehoe also has served as a special assistant to the executive vice president at the University of Pennsylvania and as finance and planning director for the Louisiana Board of Trustees for State Colleges and Universities.

He earned a bachelor's degree in business administration from Seton Hall University, a master's degree in secondary education from Boston University and a doctoral degree in educational administration from Penn State.

Science, Technology and Society Program gets new director

Marin Pietrucha, associate professor of civil engineering, has been named director of the College of Engineering's Science, Technology and Society (STS) Program.

STS is an interdisciplinary program designed to examine the effect of science and technology on everyday life. Drawing on background knowledge from domains as diverse as sociology, anthropology and history, the STS field studies science and technology as it

relates to areas such as computers and information technology, energy and the environment, genetics and biotechnology, food production and world hunger.

Pietrucha said the program's goals are to deepen social, political and ethical sensitivity with the scientific and technical communities while broadening scientific and technical awareness and competency in the general public.

New staff, faculty are welcomed to Penn State Mont Alto

Penn State Mont Alto promoted one person and welcomed two new staff members to the campus this fall.

■ **Sally A. Carbaugh** was recently promoted from computer specialist to manager of network and information systems. Carbaugh is now responsible for overseeing the Information Technology department at the campus, including purchasing all computer software and hardware, managing the IT budget, planning for new technologies, troubleshooting current technology and coordinating the University's IT standards. Carbaugh earned an associate degree from Wilson College in Computer Information Systems and she recently completed the Cisco Certified Network Administrator program through Penn State Mont Alto.

■ **Ron Swowe** is now director of business services at Mont Alto. His responsibilities include human resource management, facility management, purchasing, utilities management, safety and police services, and environmental management. Before coming to Mont Alto, Swowe was employed by York International for nine years, working in the York, Waynesboro and Roanoke, Va., offices. His most recent position with the company was director of operations in Roanoke. Swowe earned a bachelor's degree in environmental engineering



Sally A. Carbaugh



Ron Swowe

from the University.

■ **Joe Rollason** was named computer help desk specialist in August. His responsibilities include troubleshooting computer problems, managing audio and video equipment, and working with students in the computer lab setting. Rollason spent four years in the Navy and is now a part of the National Guard. He spent a semester at Shippensburg University and is currently enrolled in the Cisco Certified Network Administrator program at Penn State Mont Alto.



Joe Rollason

Moskowitz is vice dean, associate vice president at Hershey

Jay Moskowitz is the new vice dean for research in the College of Medicine. Moskowitz also has been named associate vice president for health sciences research for the University.

As vice dean for research, Moskowitz will work with the College of Medicine research team, department chairs and other faculty to implement a strategic plan for research at the medical center, setting overall research goals and identifying strengths, weaknesses and opportunities.

He also will be responsible for fostering a culture that values and promotes research among the clinical and basic science faculty and he will assist department chairs in the recruitment of both basic and clinical researchers that will enhance the research missions of the Institution. Moskowitz also will work to identify and secure new revenue streams for research.

In his role as associate vice president for health sciences research, Moskowitz will work collaboratively with the Office of the Vice President for Research at University Park to encourage information interchange and coordinate research efforts between the College of Medicine and the appropriate colleges of the University.

Since July 1997, Moskowitz has served as associate vice dean for science and technology at Wake Forest University School of Medicine. He also served as senior associate dean for research development from April 1995 to June 1997, when the School of Medicine was known as the Bowman Gray School of Medicine. In these roles, Moskowitz was responsible for the development and administration of biomedical, bioengineering and behavioral research. He also was the institution's chief spokesperson for research issues.

Previously, Moskowitz served as principal deputy director and deputy director for science policy and technology transfer at the National Institutes of Health. He also was the founding and acting director of the National Institute on Deafness and Other Communication Disorders and chief of its Laboratory of Molecular Genetics and Laboratory of Neurochemistry.

Moskowitz earned his bachelor's degree from Queens College, City University of New York, and his doctorate from Brown University. He did postdoctoral work at the National Heart, Lung and Blood Institute, National Institutes of Health.

New coordinator named to the Corporate Associates Program

Gina F. Ikenberry has been named coordinator of the Corporate Associates Program in The Smear College of Business Administration's Office of Corporate Relations.

In her role, she develops and maintains partnerships with companies who wish to

increase visibility on campus. In addition, she works to enhance the relationships of those companies with the student organizations, faculty and the University at large, to help make their on-campus efforts as effective as possible.



Arts & Entertainment

Benefit concert

The African Student Association at Pennsylvania College of Technology is sponsoring "A Gift of Christmas" concert Nov. 30 to benefit families of the victims of the Sept. 11 attacks on the World Trade Center and the Pentagon.

The concert, featuring vocalist Henrietta K. Hadley, will take place at 7 p.m. in the Klump Academic Center auditorium at Penn College.

The ASA's goal is to raise at least \$10,000 for the children and families of the victims via the American Red Cross' relief effort. A donation also will be made to the Children's Learning Center at Penn College in memory of Susan Yasipour, a 4-year-old Williamsport girl who was killed in August.

General admission tickets are \$10, student tickets are \$5, and tickets for children under 12 are \$3.

For advance tickets, call (570) 322-1198 or (570) 322-3472.

Orchestral concert

The Penn State Philharmonic Orchestra will present a concert at 8 p.m. Friday, Nov. 30, in Eisenhower Auditorium on the University Park campus.

Tickets are \$4.50 general admission and \$2.50 for students and will be available at the door before the performance.

Holiday concert

The Penn State Mallet Ensemble will present a holiday concert at 8 p.m. Monday, Dec. 3, in Esber Recital Hall, Music Building 1, on the University Park campus.

The free event will feature light-classical and jazz-inspired performances as well as arrangements of holiday music.

'Rent'

"Rent," the landmark American musical that earned the Pulitzer Prize for drama and the Tony Award for best musical, comes to the Center for the Performing Arts at 7:30 p.m. Tuesday, Wednesday and Thursday, Dec. 4, 5 and 6, in Eisenhower Auditorium on the University Park campus.

Section one and two prices are \$36 and \$26 for general audience members; \$31 and \$23 for students; \$21 and \$15 for University Park students; and \$26 and \$20 for children 12 and younger. For tickets, group sales or information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849 or check the Web at <http://www.cpa.psu.edu>.

Inspired by Puccini's opera "La Bohème," Rent celebrates a community of artists as they deal with the soaring



This photo of an elderly woman with a medal is part of the exhibit "Asia: Yesterday and Today." The exhibit is on display in the University Libraries' Pattee Library exhibit area, 109 Pattee Library, on the University Park campus, through Jan. 4.

hopes and tough realities of today's world.

Artistic Viewpoints, an informal discussion about the performance that provides insight from an artist or expert perspective, is offered in the Eisenhower Auditorium Conference Room one hour before each performance and is free for ticket holders.

Live audio description, helpful to patrons with sight-loss, is available at no additional charge to ticket holders for the Dec. 4 performance.

Bach's Lunch

The Penn State Trombone Choir will perform at the final Bach's Lunch concert of the semester at 12:10 p.m. Thursday, Dec. 6, in Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is sponsored jointly by the Lutheran Student Association and the School of Music. After the concert, audience members may take their bag lunches to the Memorial Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Holiday concert

Fieldstone and Friends will present a holiday concert at 7 p.m. Tuesday, Dec. 4, in the Hillier Building Auditorium on the Penn State DuBois campus.

The program, titled "A Winter Garden," features old and new seasonal selections performed on ancient and modern string, wind and percussion instruments, as well as bagpipes.

The event is free to the public.

For information, call Rebecca Pennington, at (814) 375-4766 or (800) 346-ROAR.

Winter concert

The Penn State Chamber Singers, a mixed vocal ensemble of 24 singers, will present a winter concert at 8 p.m. Thursday, Dec. 6, in Esber Recital Hall, Music Building 1, on the University Park campus.

Tickets are \$4 for adults and \$2 for students and will be available at the door before the performance.

Jordan Center to be host for Neil Diamond

Singer Neil Diamond will perform at 8 p.m. Feb. 26 at The Bryce Jordan Center on the University Park campus.

His performance will include his past hits as well as material from his latest CD, "Three Chord Opera." A greatest hits collection, "The Essential Neil Diamond," is scheduled for release Dec. 4.

Tickets, which cost \$67.50 and \$37.50, go on sale at 8 a.m. Dec. 3.

Tickets are available at The Bryce Jordan Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, or by calling (800) 863-3336 or (814) 865-5555 or online at <http://www.bjc.psu.edu>. Ticketmaster.com will register for the Internet pre-sale of tickets now through 5 p.m. Dec. 2.

UNIVERSITY PARK CALENDAR

November 30 - January 17

SPECIAL EVENTS

Friday, November 30

"Drawings by John F. Kensett," gallery talk by Julia Oolan, noon, Christoffers Lobby, Palmer Museum of Art.

Saturday, December 1

"Day Without Art," Palmer Museum of Art. First Night 2002 Celebration, 4 to 6 p.m., Palmer Museum of Art.

Wednesday, December 5

The Center For Arts and Crafts' annual holiday arts and crafts sale, 9 a.m. to 5 p.m., 1st floor, HUB-Robeson Center, through Dec. 7.

Saturday, December 8

"Drama Quo Does Aesop — In a Whole New Way," 3 p.m., Palmer Museum of Art.

Saturday, December 31

First Night 2002 Celebration, 4 to 6 p.m., The Palmer Museum of Art.

MUSIC

Friday, November 30

Penn State Philharmonic Orchestra, 8 p.m., Eisenhower Auditorium. Tickets \$4.50, general admission, \$2.50, students, at the door.

Sunday, December 2

The Nittany Valley Symphony Ensemble, holiday concert, 1 p.m., Palmer Museum of Art.

Monday, December 3

Kenny Rogers, 7:30 p.m., The Bryce Jordan Center.

The Penn State Mallet Ensemble, 8 p.m., Recital Hall, Music I.

Tuesday, December 4

Boston Pops Holiday Concert, 8 p.m., The Bryce Jordan Center.

Thursday, December 6

The Penn State Trombone Choir, 12:10 p.m., Eisenhower Chapel.

The Penn State Chamber Singers, winter concert, 8 p.m., Recital Hall, Music I. Tickets \$4, adults, \$2, students, at the door.

SEMINARS

Friday, November 30

Yung-Hsiang Lu on "Power-Aware Operating Sys-

tems for Interactive Systems," 9 a.m., 302 Pond Laboratory.

Kang Shin on "EMERALOS: A Small-Memory Real-Time Microkernel," 4 p.m., 201 Thomas.

Monday, December 3

"The Significance of V.S. Naipaul as the 2001 Recipient," panel discussion, 12:15 to 12:40 p.m., 102 Kern.

Scott Denmark on "New Vistas in Catalysis with Chiral Lewis Bases," 1:15 p.m., S5 Osmond Laboratory.

Tuesday, December 4

Aldo Migone on "Adsorption Studies on Carbon Nanotubes," 3:30 p.m., 339 Davey Laboratory.

Calendar, page 10



News in Brief

Alumni Center open house

All University faculty and staff may attend a holiday open house at the Hintz Family Alumni Center on the University Park campus. The open house will be held from 8 a.m. to 5 p.m. Friday, Dec. 7.

The Alumni Center, which was dedicated on April 20, is the home away from home for all Penn States, and is a physical reminder of the important role alumni play in the life, vitality and future of the University.

For more information, check the Web at <http://www.alumni.psu.edu/>.

Project showcase

Engineering students, ranging from first-year undergraduates to seniors, will bring out their best for everyone to see at the Learning Factory Project Showcase from 1 to 3 p.m. Dec. 7 at the Penn State Conference Center Hotel on the University Park campus.

More than 200 students from mechanical, industrial and electrical engineering will present their solutions to real-world engineering problems.

The event is free to the public.

Records management

Jackie Esposito, University records manager, and her assistant, Robyn Dyke, will present a series of free, 90-minute seminars on file organization.

The seminars are scheduled for 10 a.m. Tuesdays on Dec. 11, Jan. 15, Feb. 19, March 19 and April 16 in the Mann Assembly Room, 103 Paterno Library, University Park.

Esposito and Dyke will explain the details of University policy AD-35, explain how to use retention schedules (General Forms Usage Guide Appendices 18 and 21) and offer time-saving tips for organizing and coordinating records. They also will cover the advantages of using the inactive Records Center and the University Archives.

Registration is required. E-mail Esposito at pxe2@psu.edu or Dyke at rodd3@psu.edu with a preferred date.

Holiday mail service

Mail service to the University community will be suspended from 5 p.m. Friday, Dec. 21, until 8 a.m. Tuesday, Jan. 2, for the holidays.

Only buildings that currently receive direct delivery from the U.S. Postal Service will be eligible to receive mail during this time. Arrangements will be made with the U.S. Postal Service for eligible buildings to receive mail if desired. Buildings that do not receive direct delivery will receive mail on Jan. 2. For information, call Paul Fetzter at (814) 865-9171 or Gregg J. Asciutto at (814) 863-8153 before Dec. 7, or check with the academic/administrative area's facilities coordinator.

■ **Interface envelopes:** Mail Services requests that all access interface



Josh Halley and Alec Riggie have discovered that the Nittany Lion Shrine on the University Park campus is a good place to sit and compare notes on their Anthropology 8 class. Classes end Dec. 7 and final exams will be held Dec. 10 through 14.

Photo: Greg Grieco

envelopes be returned to 108 Business Services Building in order to facilitate equal distribution to all departments. Also, return any mail tubs that are being used for office storage. A critical shortage has occurred with these items.

■ **Standard A bulk mail:** Because of the increase of Standard A mailings being used to Addressing Services during December, it may not be possible to process Standard A mailings that come in after Dec. 7 until the New Year.

■ **UPS and brown paper wrapping:** Please refrain from using brown paper wrapping when sending packages through United Parcel Service. Automation equipment is causing addresses affixed to brown paper wrapping to be torn from packages.

ANGEL arrives at Winter-Fest

The University's Course Management System (CMS), A New Global Environment for Learning (ANGEL), will be the focus of Winter-Fest 2002, Jan. 2 to 4 on the University Park campus.

Winter-Fest, an annual workshop series tailored toward faculty and teaching assistants, is offered through the Center for Education Technology Services.

ANGEL is a program used to place course components on the Web. A particularly popular element of the system, according to Marilynne Stout, director of Education Technology Services, is the automatic updating of course rosters through the University registrar.

Online registration for Winter-Fest will open Dec. 3 at <http://cac.psu.edu/training/>.

Descriptions, dates and times of each Winter-Fest course will be listed at that time on the Web. For those unable to attend Winter-Fest, handouts from the ANGEL training courses may be accessed at <http://cms.psu.edu>. Under the "Help" heading, click the "Seminars" folder.

Early catalogs on microfilm

The University Archives, with the assistance of the Libraries' Preservation Department and University Libraries-funded research grant, has converted Penn State Course catalogs from 1859-1950 to microfilm.

A second grant, provided by the Office of the University Registrar, will be used to convert catalogs from 1950-2000 to microfilm.

The microfilm versions are available in Microforms and Newspapers, 24 Pattee Library, University Park. The original paper copies are available in University Archives, 104 Paterno Library, University Park.

For information, call Jackie Esposito at (814) 865-7931 or e-mail pxe2@psu.edu.

Campus history online

The University Archives' "University Park Campus History Digital Archives" Web site is now available at <http://www.psu.edu/libraries/psu.edu/>.

Using a grant from the Office of Undergraduate Education, staff of the University Archives created a visual history of the University Park campus. The site features floor plans, development plans and maps from 1855 to the present.

For information, call Jackie Esposito at (814) 863-3791 or e-mail pxe2@psu.edu.

Faculty/Staff Club

The Faculty/Staff Club on the University Park campus has a number of events scheduled for December and January.

For a full listing, check the Web at <http://www.psu.edu/dept/fsc/yearly.html>.

Absence policy reminder

Faculty and students are reminded of the University's policy regarding students' requests for absence from class for the purpose of observing a religious holiday.

The University Faculty Senate Policy on "Class Attendance" (42-27) states that instructors should provide, within reason, opportunity to make up work for students who are obliged to miss classes for legitimate reasons.

The Academic and Administrative Policies and Procedures Manual (R-4) states that while the University makes every effort to avoid conflicts with religious holidays, when conflicts are unavoidable, the policy is to try to make special arrangements for the students affected.

The Faculty Handbook says that "Faculty members are encouraged to entertain requests for exemptions from class attendance for purposes of religious observances." A list of holy days of the major world religions that may require students to depart from their normal routine is published by the Center for Ethics and Religious Affairs at <http://www.psu.edu/cera/reliol.html>.

Renaissance dinner

The 25th annual Renaissance Scholarship Fund dinner, which honored Martha "Marty" Lewis Starling as the Renaissance Woman of the Year, raised \$111,960 for the Renaissance Fund. The dinner raises funds for the University's Renaissance Scholarships, which are awarded to academically talented students who have great financial need. Money raised at the dinner will be used to endow roughly five new scholarships.

Since the Renaissance Fund's inception in 1969, more than \$5.3 million in private contributions has been raised.

Use pedestrian call buttons

The Office of Physical Plant reminds pedestrians to use the call buttons at the North Atherton Street crosswalks.

Not only do pedestrian call boxes alert the traffic light system to a walker's presence, but the response also lengthens the amount of time allocated to safely cross the street. For example, pushing the pedestrian crossing buttons when crossing North Atherton Street will increase the crossing time from five seconds to 25 seconds.

The new traffic lights at both Curtin Road and White Course Drive can detect the number of vehicles waiting, but receive no input about pedestrians unless the buttons are pushed.



Book Shelf

Jeremy F. Plant, professor of public policy and administration at Penn State Harrisburg. *Trackside Allentown*, Morning Sun Books.

The book depicts railroad operations in and around Allentown from the mid-1940s to the 1960s. The book features more than 200 color photographs, plus a text and maps. Among them are photo essays on President Truman's campaign visit by train in the 1948 presidential campaign, and the American Freedom Train that exhibited copies of historic American documents.

Sridhar Komarneni, professor of clay miner-

alogy in the Department of Crop and Soil Sciences and Materials Research Institute. *"Sol-Gel Commercialization and Applications"*, published by the American Ceramic Society.

Along with **X. Feng** of Ferro Corp., **L.C. Klein** of Rutgers University and **E.J.A. Pope** of MatTech Advanced Materials, Komarneni co-edited the book. It is a compilation of papers dealing with synthesis and characterization of clusters, fibers, films and powders by sol-gel process for a variety of commercial applications. The papers and resulting book came from a symposium held at the 102nd Annual Meeting of The American Ceramic Society in St. Louis.

NEW AT PENN STATE

University joins Logistics Education Council

Logistics students in the Smeal College of Business Administration will stay current with the latest fulfillment, warehousing and distribution software, thanks to a new partnership with EXE Technologies Inc., a leading supply chain execution software provider.

Along with Penn State, the University of North Texas and the Instituto Tecnológico y de Estudios Superiores in Mexico, EXE has formed the Logistics Education Council with the goal of providing gradu-

ates with the latest tools and methods for becoming productive contributors in the logistics field.

The Texas-based EXE provides hardware, software and other resources to the universities that are involved with the council to promote the use and understanding of EXE software in the classroom.

The council members work together to facilitate other research projects and also meet on a quarterly basis to discuss curricula and other issues.

Calendar

Continued from page 8

F. Peter Guengerich on "Roles of Human Cytochrome P450 Enzymes in Modulation of Activities of Drugs and Carcinogens," videoconference, 4:15 p.m., 108 Wartik Laboratory.

Wednesday, December 5
Romulo Lins on "Measuring Production as a Strategy for Cognitive Survival," 4 p.m., Willard.

Thursday, December 6
Alan Grant on "High Temperature Microscopy: Seeing is Believing!" 11:15 a.m., 22 Deike.
Robert Adair on "The Physics of Baseball," 4 p.m., 117 Osmond Laboratory.

Monday, December 10
Rufang Wang on "Lithographically Defined Ferromagnetic Structures," noon, 339 Davey Laboratory.

Greg Galloway on "Topological Censorship," 3:30 p.m., 318 Osmond Laboratory.

Tuesday, December 11
Sunil Mukhi on a subject to be announced, 3:30 p.m., 318 Osmond Laboratory.

Thursday, December 13
Carlos Cortes on "How the Media Teach about Diversity," 11:30 a.m., The Nittany Lion Inn. For tickets, call (814) 865-7590.

Tuesday, January 8
Warren M. Washington on "Predicting Future Climate Change," videoconference, 4 p.m., 101 Thomas.

Thursday, January 17
Christopher Clausen on "Nostalgia, Freedom and the End of Culture: America in the 21st Century," 11:30 a.m., The Penn State. For tickets, call (814) 865-7590.

EXHIBITS

Palmer Museum of Art
"Differences Preserved: Reconstructed Tombs from the Liao and Song Dynasties," through Dec. 16.

"American Pastorate: Drawings by John F. Kensett," American Works on Paper Gallery, through Dec. 21.

"The Geldzahler Portfolio," through Feb. 10.

Pattie and Paterno Library exhibit areas
"German-American Crosscurrents at Penn State: Celebrating a Century," through Jan. 3.

"When Two or More are Gathered Together: Groups and Composite Images from the B. and H. Henrich Photo-History Collection," through March 30.

"Asia: Yesterday and Today," through Jan. 4.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

LECTURES

Colloquium schedules 2 more science speakers

The Life Sciences Consortium Colloquium series has announced two upcoming speakers.

■ **F. Peter Guengerich**, professor of biochemistry and director of the Center in Molecular Toxicology at the Vanderbilt Medical Center, will speak on "Roles of Human Cytochrome P450 Enzymes in Modulation of Activities of Drugs and Carcinogens" on Dec. 4. The colloquium will be videoconferenced at 4:15 p.m. from Lec-

ture Room D at Hershey Medical Center to 108 Wartik Laboratory, University Park.

■ **Warren M. Washington**, senior scientist and head of the Climate Change Research Section in the Climate and Global Dynamics Division at the National Center for Atmospheric Research, will speak on "Predicting Future Climate Change" on Jan. 8. The colloquium will be videoconferenced at 4 p.m. from 101 Thomas Building, University Park, to Lecture Room D at Hershey Medical Center.

Literature panel discussion planned for Dec. 3

The Comparative Literature Luncheon, a weekly informal lunchtime gathering of students, faculty and other members of the University community, will hold a panel discussion on the Nobel Prize for Literature, "The Significance of V.S. Naipaul as the 2001 Recipient," on Dec. 3.

The event begins with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy something in Kern Cafeteria. Office and tea are

provided. The panel will begin at about 12:40 p.m.

The panel participants are: Carol Motta, senior lecturer, Department of Comparative Literature; Cary Fraser, assistant professor, African and African-American studies; Daniel Walden, professor emeritus of American studies, English and comparative literature; and Bill Welch, mayor of State College.

The event is free to the public. For more information, e-mail Daniel Walden at cdw8@psu.edu.

Internship experience, research topic of speech

Milen Kostov, doctoral student in the Department of Physics, will give a presentation on his research and internship experience with Air Products and Chemicals Inc. at 2:30 p.m. Wednesday, Dec. 5, in the conference room of the Hintz Family Alumni Center on the University Park campus.

Kostov is the first recipient of the Air Products and Chemicals Inc. Graduate Fellowship. His research focuses on the

adsorption of gases in carbon nanotubes and its application to other porous materials. Air Products and Chemicals Inc. provides industrial gases and related equipment and services, and selected chemicals to a diverse base of customers in the manufacturing, process and service industries.

Several representatives from Air Products and Chemicals Inc. will attend the presentation and a reception will follow.

Trustee to deliver conference keynote address

Cynthia A. Baldwin, judge in the Allegheny County Court of Common Pleas and vice chair of the Board of Trustees, will deliver the keynote address at "The 2002 Achievement Conference: Building Relationships for Future Success" to be held from 9 a.m. to 5:30 p.m., Feb. 9 at The Nittany Lion Inn on the University Park campus.

The conference, launched last year, serves to foster relationships among administrators, faculty, graduate students and undergraduate seniors of color, to promote a broader understanding of the range of research conducted

by faculty and students of color; and to provide a forum where faculty can share their knowledge with tomorrow's research scholars. The program includes professional development workshops, a faculty book display and a research exhibition.

Dec. 14 is the deadline to submit a registration form to attend.

For information about registration, e-mail the conference planning committee at achieve2002@psu.edu. Information about the conference also can be found on the Web at <http://www.clubs.psu.edu/bgsa>.

Stem cell research topic for Kern conversation

The Graduate School will kick off its spring 2002 Conversations at Kern Series with a discussion of "Stem Cells and Cell Replacement Therapy: Prospects, Pitfalls and Politics" from 5:15 to 6:30 p.m. Jan. 16 in 101 Chambers Building on the University Park campus.

Steven W. Levison, associate professor of neuroscience and anatomy and a leading scientist in the stem cell research effort in the College of Medicine at Hershey Medical Center, will direct the discussion. His remarks will

focus on mammalian stem cell biology, including the prospects of using embryonic and adult stem cells for cell replacement therapy.

This discussion had been scheduled previously to take place in September and was canceled due to the Sept. 11 attacks.

Student associations or organizations that wish to co-sponsor a conversation should contact Richard H. Yahrner, associate dean of The Graduate School, at ryh@psu.edu. No sponsorship fee is required.



Awards

Penn Staters of the Quarter make their mark

The Commonwealth College Penn State of the Quarter awards for July-September have been announced.

The following recipients were honored:

■ **Beaver:** Chad Lamp, student, contributed a majority of the technical expertise and support for the new Penn State Beaver Web site. He dedicated many hours on the layout and also solved organizational problems within the site.

■ **Delaware County:** With a number of staff changes over the past few months, Luanne Fox, admissions counselor, filled in the holes and maintained the pace during the hectic 2001 recruitment season. She consistently displayed a positive attitude and unfailing optimism which gave the rest of the Admissions Office staff renewed energy.

■ **DuBois:** Deborah Gill, assistant professor of Spanish, was selected because of her commitment to bringing another culture into the campus environment. Her accomplishments include coordinating a springtime trip to Spain, revitalizing the Spanish Club and developing outreach activities open to the campus and community to help develop a deeper appreciation for the Spanish culture.

■ **Fayette:** Lynn Petko, instructor of English, has been a significant leader in the growth of the Fayette Service Learning Program, which improves lives for Fayette County residents, develops students and promotes the University. In addition, she has brought in more than \$30,000 this year in grants to Fayette.

■ **Hazleton:** Suzanne Bahr, staff assistant in Academic Affairs, was honored for the ongoing dedication she shows to the faculty, staff and students. She is consistently helpful to the Hazleton administrators and faculty by being responsive to their inquiries and needs.

■ **McKeesport:** In September, McKeesport was infected by a debilitating computer virus. Without the dedication, hard work and expertise of David Gribble, supervisor, Computer and Information Systems; David Boykin, computer systems specialist, and Don Cassidy, wage payroll, Information Systems, the impact would have been much worse. By working more than 24 continuous hours, they prevented the virus from spreading further and restored the computers that had been infected.

■ **Mont Alto:** During the quarter, TiDeana Clevenger and Kathy Woke, staff assistants in Student Affairs, served as a team, assuming extra duties while Student Affairs was temporarily understaffed.

■ **New Kensington:** After the terrorist attacks of Sept. 11, Theresa Bonk, assistant to the director, Student Affairs, extended extraordinary effort by attending to students' emotions and needs as her No. 1 priority. During the start of the fall semester, she prepared an extraordinary orientation program for new students.

■ **Shenango:** The hard work of Scott Yeager, admissions counselor, resulted in a substantial increase in new baccalaureate and associate degree students admitted for the fall semester. High school counselors have mentioned how much they enjoy working with Yeager and appreciate the valuable information he shares with them and the students.

■ **University Park:** While William Curley, senior director of Continuing Education, has been interim campus executive officer at Mont Alto, he has been able to ensure that his College Continuing Education role was not neglected. In the spring, Curley led the Northern Tier Continuing Education Enhancement Review Team, and also implemented the Mont Alto Continuing Education Enhancement Review Team. While serving both jobs, he completed and defended the dissertation for his doctoral degree.

■ **Wilkes-Barre:** Reese Smith, supervisor, Facilities Resource Services, coordinated all phases of two construction projects — the Arboretum Pathway and the Pond Renovation — while maintaining the normally busy summer maintenance schedule. In addition, he solicited and obtained the donations of time and materials for the pond project from outside organizations, and was able to complete the pond in time for a dedication during the Arts at Hayfield festival.

■ **Worthington Scranton:** Still in her first year as financial officer, Kim O'Neill demonstrated professionalism, patience and a true knack for accounting during numerous budget hearings and the follow-up allocations hearings. She went out of her way to be available for those who had questions and concerns about the budget.

■ **York:** Jane Emery, counselor, Advising Center, has become a very knowledgeable curriculum expert during her tenure and has been instrumental in working with faculty to develop the campus check sheets for new baccalaureate degrees. She has been a strong and quiet source of support for students, always finding time for "walk-in students," even though there are equally important priorities on her plate.

25-YEAR AWARDS



David T. Ginger



Linda K. Gummo



Bruce C. Keen



Cynthia L. Kunes



Robert K. Reese



Donald E. Sheffield

Observing 25 years of service at the University are, top row from left: David T. Ginger, assistant director of food services in Housing and Food Services; Linda K. Gummo, staff assistant VI in College of Arts and Architecture; and Bruce C. Keen, operating mechanic, steam plant in Office of Physical Plant; bottom row from left: Cynthia L. Kunes, staff assistant VI in Office of the Corporate Controller; Robert K. Reese, manager, production and distribution in Housing and Food Services; and Donald E. Sheffield, senior instructor, continuing and distance education at Penn State Beaver. Observing 25 years of service at the University, but not pictured are: Robert S. Krimmel, assistant athletic director in Intercollegiate Athletics; Lewis Hohnka, financial officer III in Office of the Corporate Controller; and Frederick M. Brown, associate professor of psychology in College of the Liberal Arts.

PARTINGS

Mont Alto says goodbye to 2 longtime employees

Two Penn State Mont Alto employees were honored for their dedication and service to the campus.

Gerald "Butch" Baker and Jay Kriner announced their plans to retire from the maintenance department last month.

Baker began his career at Penn State Mont Alto on April 1, 1960. He was employed by the University for 41 years. Baker spent the majority of his time at Mont Alto on the maintenance staff. His responsibilities included mowing the lawns, plowing snow, preparing the set-up for campus events, managing the campus landscape and much

more. Prior to working on the maintenance staff, he worked in the food services department.

Baker plans to spend his time golfing and hunting.

Kriner worked for the campus for 29 years. His responsibilities included cleaning and managing the service of Conklin Hall, the Library, Wiestling Hall and



Jay Kriner

most recently, the Multipurpose Activities Center. He also worked in the food service department for several years.

Kriner plans to participate in leisurely activities including his hobby, metal detecting.



Gerald "Butch" Baker

Emeritus

The following individual has earned emeritus rank from the University for his long-standing and productive years of service:

Winand K. Hock, professor emeritus of plant pathology in College of Agricultural Sciences, from Aug. 19, 1974, to Oct. 1.



Promotions

Technical Service

Tammie L. Bressler, dining hall worker A in Housing and Food Services

Dennis L. Clark, residence hall utility worker in Housing and Food Services

Chad D. Entz, maintenance mechanic, general, food services in Housing and Food Services

Matthew A. Field, environmental systems technician in Office of Physical Plant

Lynn C. Fink, maintenance worker, utility in Student Affairs

Carol L. Hampton, dining hall worker A in Housing and Food Services

Roger A. Kwiatkowski, maintenance mechanic B at Penn State Shenango

Johnathan M. Light, dining hall worker A in Housing and Food Services

Masaya Matsui, exhibition cook in Housing and Food Services

Terence C. Mahon, maintenance worker, area landscape in Office of Physical Plant

Jeffery R. Pernesky, maintenance mechanic A at Penn State DuBois

Joan M. Rhoades, maintenance worker, utility at Penn State Abington

Jason E. Shoemaker, dining hall worker A in Housing and Food Services

G.S. Showers, operator, network production printer in Business Services

Carole B. Wensel, maintenance worker, utility at Penn State Shenango

Adam Zimmerman, janitorial worker in Office of Physical Plant

Staff

Al W. Adams, project coordinator II in Office of Physical Plant

Anita L. Alleman, staff assistant VI at Penn State Harrisburg

Carol A. Anderson, staff assistant VIII at Penn State Harrisburg

Edward T. Armstrong, staff assistant V in University Libraries

Jodie A. Auman, staff assistant VII in College of Agricultural Sciences

Lori L. Boney, director, programs and services in Division of Development and Alumni Relations

Tim W. Barnes, research technologist in College of Agricultural Sciences

Mary E. Bayuk, registrar at Penn State Erie

Karen L. Brewster, staff assistant VIII in Eberly College of Science

Robin S. Brouse, assistant director in The Smeal College of Business Administration

April L. Brumbaugh, staff assistant VII in Applied Research Laboratory

Joan L. Bush, assistant director at Penn State Wilkes-Barre

Dolly Carr, graphic artist in Division of Outreach and Cooperative Extension

Duane R. Champion, system project manager in Division of Outreach and Cooperative Extension

Robert W. Coffman, assistant director for admissions at Penn State Harrisburg

Sean C. Cook, assistant director, student affairs in Student Affairs

Michael C. Corradino, area representative II at Penn State Harrisburg

Andrew R. Curtis, assistant extension agent in College of Agricultural Sciences

Margaret E. De Grange, staff assistant VI at Penn State Harrisburg

Marilyn M. Demeo, staff assistant VI at Penn State Harrisburg

Jennifer C. Dimetel, administrative assistant at Penn State Harrisburg

Catherine W. Dittman, staff assistant VI in College of the Liberal Arts

Beth E. Durff, staff assistant VII at Penn State Harrisburg

Ruth Sue A. Etter, staff assistant VI at Penn State Harrisburg

Sallie J. Evans, staff assistant VI at Penn State Harrisburg

Stacey E. Faircloth, staff assistant V at Penn State Harrisburg

MaryAlice Finn-Stewart, staff assistant VI at Penn State Harrisburg

Randy J. Fulton, assistant to the director of business and operations at Penn State Dickinson School of Law

Colleen M. Garber, staff assistant VII at Penn State Harrisburg

Gail L. Gibbons, staff assistant V in Housing and Food Services

J.R. Gibson, staff assistant VI at Penn State Harrisburg

Kara D. Graver, assistant extension agent in College of Agricultural Sciences

Donna R. Guisewhite, staff assistant V in University Libraries

William V. Gush, manager, cost analysis and property inventory in Office of Corporate Controller

Thomas H. Heshek, events manager in College of Arts and Architecture

Judith J. Hewes, assistant to the head in University Libraries

Deborah A. Hill, assistant director of management systems in Division of Development and Alumni Relations

Sue A. Hippie, staff assistant VI at Penn State Harrisburg

Kimberly A. Horgas, staff assistant VII in College of Agricultural Sciences

Shelby L. Hoy, administrative assistant II in Office of the Vice Provost and Dean for Undergraduate Education

Larry J. Johns, supervisor, maintenance in Housing and Food Services

Susan J. Jones, senior support and training analyst in Computer and Information Systems — Administrative Systems

Marie J. Kahler, staff assistant VI at Penn State Schuylkill

Nannette M. Kirst, accountant in College of Medicine, Hershey Medical Center

Henry R. Koretzky, library assistant II at Penn State Harrisburg

Pauline R. Krebs, data retrieval specialist in College of Arts and Architecture

David M. Kuskowski, director of recruitment and admissions in Undergraduate Admissions, Office of the Vice Provost and Dean for Enrollment Management and Administration

Cynthia K. Leach, staff assistant VI at Penn State Harrisburg

Nancy L. Leister, staff assistant V at Penn State Harrisburg

Jason A. Lego, research programmer in Computer and Information System — Center for Educational Technology

Martha H. Lindsay, library assistant I in University Libraries

Betty A. Mason, staff assistant VI at Penn State Abington

Polli E. McCartney, staff assistant V at The Penn State Conference Center Hotel

Bonnie J. McCauldin, recruiting coordinator at Penn State Dickinson School of Law

Dorothy J. Mc Clintock, manager of financial support services in Office of Corporate Controller

Kendra R. McCrate, assistant director of annual giving in Division of Development and Alumni Relations

Tracy B. Meredith, library assistant I in University Libraries

Traci L. Mickey, library assistant I in University Libraries

Janet E. Mignogno, staff assistant VI at Penn State Abington

Rebecca M. Mills, director of corporate and foundation relations in Division of Development and Alumni Relations

Toni M. Moore, staff assistant VII at Penn State Harrisburg

Joyce E. Murray, staff assistant VI in Office of Physical Plant

Deborah L. Oakes, associate editor, publications in College of Arts and Architecture

Wendy L. Peck, proposal and grant aide in Office of Vice President for Research

Dara L. Perrin, assistant director for admissions at Penn State Harrisburg

Vera M. Piccolo, staff assistant VI at Penn State Harrisburg

Paul A. Politz, supervisor of physical plant maintenance at Penn State Harrisburg

Richard R. Rhoades, system programmer in Computer and Information Systems — Administrative Systems

Elaine F. Rhodes, director university development II in Division of Development and Alumni Relations

Kelley J. Richwine, staff assistant VI at Penn State Harrisburg

Kelly J. Riser, staff assistant VII in College of Arts and Architecture

Kathleen R. Ritter, staff assistant VI at Penn State Harrisburg

Theresa L. Roby, estimator in Auxiliary and Business Services

Susan L. Rossman, training and support specialist in Division of Outreach and Cooperative Extension

Kathryn M. Schweitzer, staff assistant VI at Penn State Harrisburg

Tammy A. Snook, administrative assistant II in The Smeal College of Business Administration

Phyllis A. Snyder, staff assistant V at Penn State Schuylkill

Thomas W. Speakman, director, admissions and financial aid at Penn State Berks

Thomas Stapleton, project manager II in College of Medicine, Hershey Medical Center

Julie A. States, clinical social worker in Student Affairs

Sandra K. Stelts, associate curator of rare books and manuscripts in University Libraries

Shannon L. Stover, marketing associate in The Smeal College of Business Administration

Danielle R. Struble, staff assistant VI in College of the Liberal Arts

Gerard M. Veneziano, staff assistant V at The Penn State Conference Center Hotel

Jonathan M. Wallace, library assistant I in University Libraries

Dennis W. Warfield, research programmer in Computer and Information Systems — Center for Academic Computing

Karen M. Wasielewski, staff assistant VI at Penn State Harrisburg

Kathryn E. Watson, director of student affairs at Penn State Shenango

Kenneth D. Watson, maintenance foreman at Penn State Harrisburg

Gerry L. Weaver, system planning specialist III in Computer and Information Systems — Administrative Systems

Diane M. Weller, lead applications programmer/analyst in Computer and Information Analyst Systems — Administrative Systems

Joyce L. White, staff assistant VIII in Applied Research Laboratory

Sally J. Williams, staff assistant VI at Penn State Harrisburg

Carol Wilson, research support associate in College of Medicine, Hershey Medical Center

Elizabeth K. Wilson, associate director II in Division of Development and Alumni Relations

Rochelle D. Winn, staff assistant VII in The Smeal College of Business Administration

Yancy Netter, staff assistant VI at Penn State Harrisburg

Donna M. Yurukoglu, applications system analyst/senior programmer in Division of Outreach and Cooperative Extension

Rebecca A. Young, assistant to the vice provost for academic affairs in Office of the Vice Provost for Academic Affairs

Fay A. Youngmark, library assistant III at Penn State Harrisburg

Judy L. Zerby, research support technologist III in College of Agricultural Sciences

Qin Zhu, research support associate in College of Medicine, Hershey Medical Center

'Hooping' it up



A number of players find Rec Hall on the University Park campus a good place to work off some excess energy. These round ballers will be out of a court for a few weeks starting Dec. 10 when both gyms will be closed to refinish the floors. The work is tentatively set to be completed by Jan. 4.

Photo: Greg Gleico

OBITUARIES

Emma L. Bressler, food preparer B in Housing and Food Services, from Sept. 6, 1973, until her retirement May 14, 1991; died Oct. 13, at the age of 70.

Raymond I. Fetzner, poultry worker-general in the College of Agricultural Sciences, from Sept. 1, 1942, until his retirement May 10, 1974; died Oct. 13. He was 90.

Laurence C. Hettich, 50, a former Penn State employee, died Tuesday, Sept. 25, at Mount Auburn Hospital in Cambridge, Mass. He was a University Employee from October 1969 through February 1972. Among the survivors is his wife, Nancy M. Cline, dean emerita, University Libraries.

Budugur Lakshminarayana, Evan Pugh professor emeritus of aerospace engineering, died Oct. 19, at the age of 66. In 1963, Lakshminarayana graduated from the University of Liverpool with a doctorate. He then joined the aerospace engineering department at Penn State, where his career spanned 37 years. During his career at Penn State, he was instrumental in developing the turbomachinery laboratory. He also developed a graduate and research program in computational fluid dynamics and directed the institute from 1981-87. In addition, he received numerous professional awards and co-authored more than 300 publications. At the time of his death, Lakshminarayana was in the process of building an orphanage in Bangalore, India.

Diane L. Neidigh, staff assistant in the College of Agricultural Sciences, from Oct. 13, 1980, until her retirement June 1, 1999; died Oct. 12, at the age of 54.

Robert D. Shipman, professor emeritus of forest ecology in the College of Agricultural Sciences, from July 1, 1963, until his retirement Oct. 1, 1990; died Oct. 19. He was 80.

Penn College gets state OK for forest-stewardship plan

The state Department of Conservation and Natural Resources recently approved Pennsylvania College of Technology's forest-stewardship plan for a property straddling Bald Eagle Ridge in southwest Lycoming County.

The primary goals set forth in the plan for the 439-acre Morgan Valley retreat center property are to generate forestry-education research projects, enhance wildlife habitat, improve recreational opportunities and promote sound forest-management practices.

The consultants who prepared the plan are Jack E. Fisher, a laboratory assistant for forest technology at Penn College, and Brian E. Salvato.

Fisher, Salvato and Gary Glick, the service forester for the state conservation department who approved the stewardship plan, are all graduates of the college's forest technology program.

One of the first actions to be taken under the plan will be to conduct a thinning harvest or "timber stand improvement" cut to remove diseased and poor-quality trees and promote the growth of desirable tree species.

In addition, nest boxes that can be used by squirrels, owls and other wildlife will be erected to compensate for a dearth of natural cavities in trees.

Finally, students will conduct a number of "mini-projects" on the property, including checking on regeneration of trees, surveying the effects of the deer browse and monitoring the population of the destructive gypsy moth and

Students will conduct a number of "mini-projects" on the property, including checking on regeneration of trees, surveying the effects of the deer browse and monitoring the population of the destructive gypsy moth and other pests, allowing for accurate projections of future losses from defoliation.

other pests, allowing for accurate projections of future losses from defoliation.

Penn College courses that will make use of the Morgan Valley property include "Forest Ecology," "Forest Mensuration," "Timber Harvesting and Equipment," "Wildlife Management" and "Forest Land Management," Fisher said. Students also will use Global Positioning System/Geographic Information System surveying technology to map "permanent plots" that can be monitored on an annual basis.

"That's the whole idea here," he said, "getting more student activity at the Morgan Valley property."

The plan divides the land into five management units, based on the types of soils and tree species present. A history of each area is provided, along with prioritized recommendations for the next 10 years.

Oaks are the dominant tree species on the property, Fisher said, but there are significant stands of maple, birch and other species, as well. There are fewer conifers, but there is a management unit with a significant population of hem-

locks.

The plan calls for the creation of some fenced-in areas where deer will not be able to enter and eat saplings. This will enable the forestry students to gauge the differences from areas where deer are able to browse. Another possibility is performing small-scale, controlled burns on the property occasionally to promote regeneration of desirable species.

Fisher said building a hiking trail for college visitors to the property is another goal of the plan. He said the trail probably will include signs identifying various tree species.

The plan devised by Fisher and Salvato also includes a glossary of forestry terms and a variety of useful handouts on forest ecology and forest management.

Similar forest-stewardship plans are being developed for the college's Earth Science Center property near Allenwood and another nearby that is used for training in the heavy construction equipment programs. Both plans are expected to be completed and approved by July.



Penn Staters

Douglas Beegle, professor of agronomy, was named a fellow of the American Society of Agronomy at the 2001 annual meeting of the American Society of Agronomy, Soil Science Society of America and Crop Science Society of America held in Charlotte, N.C.

Tom Benson, Edwin Erle Sparks professor of rhetoric in the Department of Speech Communication, has been selected to receive the American Communication Association's 2001 Outstanding Contribution to Communication Technologies Award.

John Chapin, assistant professor of communications at Penn State Beaver, was named Pennsylvania's Speaker of the Year at the Speech Communication Association of Pennsylvania Convention held at Seven Springs Resort in Champion. Chapin also was elected to the post of state association vice president. In addition, **Grace Coleman**, part-time instructor in English at Penn State Beaver, was appointed as second vice president and **Terrie MacLellan**, instructor in English at the campus, was elected as member at large.

Lisa A. Davis, director of the Pennsylvania Office of Rural Health, received the 2001 Award for Contributions to Public Health from the Pennsylvania Public Health Association. The award was presented at the association's annual conference in Philadelphia. The Pennsylvania Office of Rural Health is a joint effort of the College of Health and Human Development and Cooperative Extension, with a mission to improve the health of rural residents.

Kirsten Krahnstoever Davison, a research associate in the Department of Human Development and Family Studies, received the Etham Sims Young Investigator Award from the North American Association for the Study of Obesity. It was presented during the association's annual conference in Quebec City, Canada. She was honored for her work identifying families in which children are at high risk of obesity as a result of parents' physical activity and dietary patterns.

Turgay Ertekin, professor of petroleum and natural gas engineering, received the 2001 Lester C. Uren award from the Society of Petroleum Engineers. The award recognizes distinguished achievement in the technology of petroleum engineering by a society member before the age of 45.

Danielle Flannery, associate professor of education, and co-author **Elisabeth Hayes** from the University of Wisconsin earned the Houle Award for Outstanding Literature in Adult Education from the American Association of Adult and Continuing Education for their book *Women as Learners: The Significance of Gender in Adult Learning*. The annual award was created in 1981 to honor the scholarship of Cyril O. Houle, a professor of adult education at the University of Chicago, and is intended to recognize a book "that reflects universal concerns of adult educators and is considered to be outstanding literature in adult education."

Kenneth J. Fisher, professor of engineering at Penn State Erie, was honored with the Ben C. Sparks Medal from the American Society of Mechanical Engineers International. The award recognizes outstanding contributions to teaching and research in mechanical engineering technology. It was presented at the 2001 International Mechanical Engineering Congress and Exposition held in New York City.

Tammy Golish, assistant professor in the Department of Speech Communication, was elected vice chair of the Family Communication Division of the National Communication Association at its annual convention.

Terry P. Harrison, professor of management science in The Smear College of Business Administration, has been appointed to a three-year term as editor-in-chief of *Interfaces*, a journal of the Institute for Operations Research and Management Sciences. This is his second consecutive term as editor-in-chief.

Sabih I. Hayek, distinguished professor of engineering mechanics, delivered an invited paper at the International Noise Control Conference at the Hague, Netherlands. The paper, co-authored with graduate student **Jungyun Won**, was titled "Active Control of Radiated Acoustic Power from Elastic Plates." Hayek delivered another paper, co-authored by Won, titled "Zonal and Global Control of Vibrational Intensity in Infinite Fluid-Loaded Elastic Plates," at the 17th International Congress on Acoustics in Rome. Hayek also was appointed to the editorial board of the *Encyclopedia of Vibration*.

Michael Hecht, professor and head of the Department of Speech Communication, is the recipient of the National Communication Association's 2001 Gerald R. Phillips Award for Distinguished Scholarship in Applied Communication.

Ron Jackson, assistant professor in the Department of Speech Communication, is the recipient of the National Communication Association's 2001 Franklin S. Haiman Award for Distinguished Scholarship in Freedom of Expression.

Elena Katok, assistant professor of management information systems, and **Terry P. Harrison**, professor of management science, were honored with the Dr. Wilbur B. Payne Memorial Award for Excellence in Analysis for their research and analysis assisting the Army with its strategic mobility. They received their awards during the 40th Army Operations Research Symposium in Fort Lee, Va.

Robert A. Killoren Jr., assistant vice president for research and director of the Office of Sponsored Programs, has been elected vice president/president-elect of the National Council of University Research Administrators.

Ian-Choon Khoo, distinguished professor of electrical engineering, was an invited speaker at the International Symposium on Organic Electronic and Photonic Materials and Devices in Osaka, Japan. He spoke on "Nonlinear Photo-sensitive Liquid Crystals for Intelligent Photonics." Recently, he was invited to become external doctoral degree examiner for Trinity College, Dublin, Ireland, and also for Chalmers University, Sweden.

Gary H. Koopmann, distinguished professor of mechanical engineering and director of the Center for Acoustics and Vibration, received the Per Bruel Goud Medal for Noise Control and Acoustics from the American Society of Mechanical Engineers. Koopmann was honored for seminal contributions to the theory and practice of noise and vibration control of mechanical systems by passive and active means.

The Center for the Performing Arts, part of the College of Arts and Architecture, has earned the 2001 award of excellence for publication cover design from the University and College Designers Association. **Urszula Kulakowski**, the center's art director, designed the cover, which appeared on the 2001-02 season brochure.

Ann Marie Major, associate professor of advertising and adviser to the Lawrence G. Foster Penn State Chapter of the Public Relations Student Society of America, was honored as the nation's outstanding faculty adviser to such student groups. The announcement was made at the organization's meeting in Atlanta.

Thomas David Marro, retired assistant professor of special education, was named "Father" of the Pennsylvania Council of Special Education Administrators. He made a presentation at the Pennsylvania Federation Council for Exceptional Children's 42nd annual convention in Harrisburg, where he described how he and **James McDonald** of Altoona organized the group in 1968 and gave a historic overview of the position of the special education administrator. He also reviewed "The Normative Study of the Administrative Position in Special Education" that he and **John Kohl** conducted in 1971.

Richard Nichols, professor of theatre, was an invited speaker at a joint Japanese-Korean seminar on theatre management, held in Seoul, South Korea. Nichols spoke on the Japanese and Korean reliance on American and British musicals to create financial stability for theatre companies.

The National Cancer Information Service has awarded the **Northern Appalachian Cancer Network** its National Partnership Award, a distinction given annually to organizations that demonstrate outstanding dedication to cancer education and control. **Ann Ward**, research assistant in the Department of Food Science, is the project director for the network. The network is based at Penn State.

Simone Osthoff, assistant professor of art, has been appointed to serve as board member on the international *Leonardo Digital Reviews* Panel, a scholarly review service published by Massachusetts Institute of Technology Press and the International Society for Arts, Sciences and Technology. This panel of scholars and professionals from a wide range of disciplines reviews books, exhibitions, CD-ROMs, Web sites and conferences.

Michelle Ramsey, assistant professor of speech communication at Penn State Berks, won this year's dissertation award from the Organization for the Study of Communication, Language and Gender for "Consumerism and Citizenship (Re)presentations of Woman in Advertisements and Political Cartoons, 1910-1920."

Eric R. White, executive director of the division of undergraduate studies, has been appointed to a three-year term as the new Pennsylvania representative to the ACT Corp. ACT Inc. is a national, nonprofit educational organization best known for administering a college-entrance and placement exam.

Brent Wilson, professor of art education, served as evaluator for the Arts and Culture in Education: Policy and Practice in Europe conference at Erasmus University in Rotterdam, The Netherlands. Wilson also presented a conference summary, "Visions of Arts and Cultural Education in Europe: Conflicts between Official Structures and Anti-Structural Forces."



Focus on Research

Deep-ocean research program office funded

By STEVE SAMPSELL
Eberly College of Science

A program designed to study the mid-ocean ridge system and enhance understanding of the relationship between the geological processes that lead to planetary renewal in the deep ocean and life forms that thrive in the absence of sunlight has found a home at the University.

The RIDGE 2000 Program, created with the input of more than 200 U.S. scientists and funded by the National Science Foundation, has elected Charles Fisher, professor of biology, as chair of its 15-member steering committee. His three-year term coincides with the creation of the program office at the University, with support from the National Science Foundation, the Eberly College of Science and the Department of Biology.

Along with Fisher, the office will include three full-time employees: a program coordinator, a program assistant and an education/outreach coordinator.

The RIDGE 2000 program works to understand the geobiological, geochemical and geophysical

and consequences of energy transfer within the globe-encircling mid-ocean ridge system.

The mid-ocean ridge system marks the boundary along which Earth's major tectonic plates form. As volcanic material from the planet's mantle surges to the sea floor, it helps resurface the Earth and impacts the deep-ocean environment and its inhabitants.

For 12 years, a predecessor program, the



Understanding the relationship among the geology, chemistry and biology of hydrothermal systems is part of RIDGE 2000's mission. Pictured is a colony of giant tubeworms with vent fish and crabs, all highly specialized for and found only in the extreme environment of the hydrothermal vent ecosystem.

Ridge Interdisciplinary Global Experiments (RIDGE) Program, promoted research, scientific communication and outreach related to all aspects of the mid-ocean ridge system. When that program ended, RIDGE 2000 built on the experience, knowledge and lessons learned through its predecessor to develop a more focused program stressing integrated interdisciplinary collaboration and long-term experiments in a limited number of areas of the deep ocean.

With Fisher as chair of the steering committee and the program office located at the University, RIDGE 2000 has differentiated itself from its predecessor program. He becomes the first biologist to chair the committee—all the others were geoscientists—and Penn State becomes the first land-locked institution to house the program office.

According to the RIDGE 2000 science plan (available on the Web at <http://ridge.occ.orst.edu/R2K/R2Ksciplan/>), as many as five different deep-ocean sites will be the focus of integrated efforts that involve eight or 10 research cruises, and an investment of about \$27 million for research, at each site during the next decade. Science involved in the program requires many different disciplines necessary for the study of the ocean crust and its actions, complex ecosystems and hydrothermal vents. Those disciplines are: biology, chemistry, geology and physics. The RIDGE 2000 program will focus on the integration of research across a wide range of disciplines, emphasizing the interactions between the complex sea floor and sub sea floor ecosystems as well as the geological processes that support them.



Charles Fisher

Spouses, families, play role in global business operations

As more businesses go global and move operations and employees overseas, the need to become more aware of the role spouses and families play, suggested a professor who recently completed two studies on expatriate spouse adjustment.

"One of the biggest reasons employees do not complete international assignments is that families are unable to adjust," said David Harrison, management professor in The Smeal College of Business of Administration. "Spouses and families are often the forgotten partners in global operations."

Harrison did his studies with Margaret Shaffer of Hong Kong Baptist University. In a five-year study of 221 international assignee couples working in 37 countries, the researchers found that the process of adjusting is like developing a brand new personal and social identity for a spouse, from the ground up. One of the biggest predictors of adjustment is whether the spouse made an effort to get to know the people who live there.

"We also found that extended family support had an adverse effect on adjustment," Harrison said. A possible explanation for this is that spouses who have very supportive extended families exert more effort to maintain those relationships. They invest less of themselves in forging relationships with host-country nationals.

"Redefining one's identity by gaining fluency in the host location's language, as well as developing a large and varying set of social connections, especially those who are native to the assigned country are all helpful to adjustment," Harrison said.

For the full study, check the Web at <http://www.smeal.psu.edu/news/depth/september01/study.html>.

Study shows black bears are a major predator of fawns

By JEFF MULHOLLEN
College of Agricultural Sciences

An ongoing cooperative study of fawn mortality between the College of Agricultural Sciences and the Pennsylvania Game Commission at two sites in central Pennsylvania has revealed that black bears are a major predator of young white-tailed deer.

Wildlife biologists knew that black bears kill an occasional fawn, according to Justin Vreeland, graduate research assistant in the Pennsylvania Cooperative Fish and Wildlife Research Unit, but they were surprised about how many.

"We didn't really expect to find that Pennsylvania black bears are the efficient predators of fawns that they are," he said. "It is widely known

that the state's large population of coyotes prey on fawns, but it now looks like bears kill as many, possibly more."

Because deer numbers are stable and have been growing in Pennsylvania, Vreeland noted that predation is not impacting the herd significantly. However results from his 16 months of Game Commission-funded research—where 218 fawns were captured, fitted with radio collars, then released and monitored—show that many don't make it. Mortality from predation in the wild ranges from less than 10 percent to 100 percent, Vreeland said, with 50 percent being average.

On his two study sites—one a mostly agricultural, 200-square-mile area in eastern Centre County called Penns Valley, the other a 100-square-mile "big woods" tract in Elk, Cameron

and Clearfield counties known as Quehanna Wild Area—predation varies widely.

In Quehanna, which is predominantly mature forest, predators kill many fawns. In Penns Valley, fawn survival is higher overall.

"Fifty percent of the fawns we collared in the Quehanna area were killed by predators last year, compared to just 8 percent at the Penns Valley site," he said. "Habitat in Quehanna is poorer for deer in terms of both food and cover."

The study of fawn mortality will conclude in April. Results are updated at http://sites.state.pa.us/PA_Eco/PGC/deer/fawn/fawnintro.htm.

Jeff Mulhollen can be reached at jim29@psu.edu.



A spotted fawn nurses in this file photo of the University's deer herd located at the deer pens on the University Park campus.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial assistant/calendar

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Festival of Trees



It's time once again for the Festival of Trees, held at Ag Arena on the University Park campus. The festival, which this year will be held Dec. 5-9, raises money for charities.

File photo/ Greg Grieco

Automated system to manage University's bandwidth

While universities around the country debate how to best resolve concerns related to the excessive use of Internet bandwidth, Penn State is taking steps to provide its students, staff and faculty with an effective solution to the problem.

This fall, the University launched an automatic process that both monitors the amount of bandwidth used by residence hall students and issues warning notices to those who exceed weekly limits that have been established by the institution. The Office of Telecommunications, Office of Housing and Residential Life, Association of Residence Hall Students, and the Commonwealth Council of Student Government collaborated to plan the University's automated approach to the bandwidth issue.

The concerted effort came about in response to the discovery earlier in the year that a high percentage of the resource was being consumed by a very small number of students in the University's residence halls. Heavy downloads by individuals using software such as Napster and MP3.com were making it increasingly difficult for University users to access and effectively use the Internet to support their class work and research efforts, according to Gary Augustson, vice provost for information technology.

"Uninterrupted network access is extreme-

ly critical for Penn State to carry out its mission today," Augustson said. "The need to ensure that this critical resource is available to support legitimate academic interests prompted the University's immediate response to the issue."

Although numerous other universities have elected to address bandwidth concerns by restricting student's access to Internet content (and in some cases banning specific Web sites altogether), the approach chosen by Penn State has been to manage the bandwidth the University purchases, ensuring that predetermined allocations are not exceeded.

The new system, activated at the beginning of fall semester, was recently updated in early November.

Implementation team members observe that the plan appears to be working well. Each student's residence hall network connection is afforded a weekly allocation of 1.5 CBytes of outbound network information transfer. The amount used is electronically measured, and students who are found to exceed their individual weekly allocations are subject to automatically issued warnings along with the eventual reduction of their connection speeds. Any individuals who continue to exceed acceptable levels after receiving three separate warning letters, will have their network privileges suspended. Statistics are generated weekly and

distributed to University administrators involved in the monitoring process.

The University's plan makes it possible for students to still freely access the Web sites that interest them, commented Augustson, but simultaneously it prevents a small number of individuals from consuming most of the resource.

"For Penn State, the difficulty of addressing this issue was amplified by having more than 15,000 active residence hall network connections — far more than most other universities," he said. "Given this number, an automated approach was essential."

To assure that bandwidth is available to meet the University's needs, beyond those associated with the residence halls, the University has limited the total amount of bandwidth available to residence hall networks. A priority has also been established that provides bandwidth for general University needs over residence hall use, should the University's connection to the Internet reach maximum capacity. As additional needs for bandwidth arise and new services are provided requiring larger amounts, adjustments will be made to this approach ensuring that both overall and individual needs continue to be met.

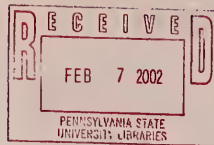
For information on the bandwidth initiative, check the Residential Computing page at <http://www.rescom.psu.edu/> on the Web.



Intercom

INFORMING THE PENN STATE COMMUNITY

JANUARY 17, 2002



THE HISTORIES OF PENN STATE

Fulfilling a need

Penn State Hazleton first opened its doors to help the unemployed during the Great Depression

By SUSAN BARTAL
Penn State Hazleton

During the depths of the Great Depression, the Pennsylvania State College was seeking a way to continue its tradition of bringing education to the people. Since this was a

time when many people could not afford to come to college, the college came to the people. At the request of Hazleton's community leaders, a community survey was completed by the college's extension services to determine the actual extent of the need and community support for a center.

Hazleton was one of 14 communities to request a center, but only four requests were fulfilled — among them the Hazleton and Schuylkill Undergraduate Centers, and two others that eventually closed.

Hazleton, page 2

Educating others

Local Muslims act as ambassadors for their Islamic faith

By JULIE A. BRINK
Public Information

For the Muslim community at the University, life is about getting or providing an education, following the tenets of Islam and, in many cases, raising a family.

Julie Belz, assistant professor of German and applied linguistics, is a member of the University's Muslim community. She was raised as a Roman Catholic, but converted to Islam. Belz and her husband, a physician, are raising three children in their faith.

"We try to raise our children the best we can Islamically," she said, "teaching them about God, the prophet, encouraging them to be respectful, to have self esteem, to be confident, full of dignity, (to know) that it is incumbent on every Muslim to seek knowledge."

Although a minority at the University, worldwide, Islam is one of the fastest growing religions. About 1.2 billion people of all races are Muslims, according to widely circulated figures. Of that number, only about 18 percent of them live in the Arab world.

"People need to be reminded that Islam is not a monolithic religion,"



according to Timothy Gianotti, assistant professor of religious studies and history. "They don't look the same, they don't act the same."

As an Islamic scholar, Gianotti has been called upon repeatedly by the media to interpret Islam.

"I have lost track of the number of interviews, talks, that I've given for radio and TV, campus and noncampus groups," he said.

Gianotti, who teaches classes in Islam and world religions, used his classroom as a forum to discuss reaction to the Sept. 11 terrorist attacks.

"One of the things students have discovered because we dealt very squarely with Islam and its traditions is that they

Islam, page 9



\$6.9 million gift raises Eberly family's total to \$39 million

A \$6.9 million gift from the Eberly Foundation of Uniontown will make possible a new community center for cultural, social, athletic and other events on the Penn State Fayette campus. The gift also distinguishes the Eberlys as Penn State's most generous benefactors.

The 52,000-square-foot community center will contain performance spaces, cafeteria and dining hall, fitness center, auditorium and many other features needed for large gatherings.

"The new building will serve both the campus and the community," said Campus Executive Officer Gregory Gray. "It promises to be a focal point for public events in Fayette County, and it will have an important long-term impact on the local economy. We will be able to increase the variety and scope of our programming in so many areas — entertainment, sports, distinguished speakers and academic convocations, to name just a few."

The Eberly Foundation is headed by



Robert Eberly

Eberly, page 3

Hazleton

Continued from page 1

The Hazleton Undergraduate Center opened in September 1934 with 47 full-time and 60 part-time evening students. The freshman and sophomore students began their studies in their hometown and then completed their degree at University Park or another institution.

Over the next several years, the center was housed in various locations — first in the upper floors of the Markle Rank Building on Broad and Wyoming Streets, then in the former Broad Street School. To accommodate the influx of men and women returning from service in World War II, additional space was leased in the A.D. Thomas Elementary School and the former Walnut Street School.

A permanent home came in December 1948 when the college purchased 66 hill-top acres in Sugarloaf Township which, for nearly 25 years, had served as the residential estate of a local entrepreneur. The site consisted of four buildings that gave the college the space it so desperately needed.

The estate, built by Alvan Markle Sr. in 1924 and known as "Highacres," featured a 32-room fieldstone mansion with every modern convenience available at the time, as well as domestic staff quarters, a greenhouse and five formal gardens.

The Markle family

One of the most affluent families ever to live in the area, the Markles started their business interests in coal around 1858. Family patriarch and Alvan's father George Markle not only owned a coal mining com-



Penn State Hazleton's men's basketball team from the 1947-48 academic year posed for a commemorative photo.



This archive photo of female students at Penn State Hazleton was taken in 1957.

pany, but invented and patented several tools used in the mines.

The family branched out into banking when George, along with two other men, founded Hazleton's first banking business. In 1892, Alvan Markle expanded the family's holdings when he organized the Lehigh Traction Co., the parent company of several trolley lines and which eventually included the Wilkes-Barre & Hazleton Railway. This third-rail electric railroad, which ran on what is now part of the Hazleton campus, pioneered the use of a "protected" third rail, a feature that was immediately adopted by the Interborough Rapid Transit Subway system in New York and the Long Island Rail Road electrification, to name a few.

In 1998 the first Markle family reunion was held at Penn State Hazleton, drawing more than 130 people from 12 states and several countries to visit the familial home. After this event, the family established the Alvan Markle Jr. and Gladys Jones Markle Scholarships.

From estate to Penn State

The Markle mansion quickly became the administration building and, at various times during its life, housed offices, classrooms, library, health services, kitchen and dining room.

The domestic staff's quarters were transformed into the library, dormitory and infirmary. The greenhouse became the botany laboratory, and a new building, known today as Laurel Cottage, served as the chemistry laboratory.

Over the years, many facilities were added to Penn State Hazleton including:

- The Slusser/Bayzick Building, formerly the Commons (1958), which houses the offices of Student Affairs. Continuing

Education and student clubs and organizations.

- The Kostos Building (1970), named for former Campus Director Frank C. Kostos, which contains biology, chemistry and computer laboratories, as well as many classrooms;

- The Library (1972), which today houses not only the research and reference materials, but a computer lab, as well as the only working Penn State campus weather station outside of University Park;

- The Physical Education Building (1976), containing free-weight, Cybex and aerobic rooms; main and auxiliary gyms; as well as an Olympic-size swimming pool;

- Outdoor playing fields for tennis, beach volleyball and basketball, as well as a full-size, illuminated soccer/softball field;

Hazleton at a glance

- John Madden, CEO
- 104-acre campus overlooking the Corryingham valley.
- Student enrollment of about 1,400
- 55 full-time and 34 part-time faculty members
- Student/faculty ratio of 18 to 1
- First two years of about 160 Penn State majors
- Complete two bachelor's and seven associate degrees
- Professional development programs available
- Seven varsity sports
- More than 20 student clubs and organizations

- The bookstore located on the campus mall;

- North, South and West residence halls, housing 485 students, along with the recently remodeled Highacres Café, which offers a variety of convenient and affordable meal plans for both on- and off-campus students; and

- The Evelyn Graham Building (1991), which has state-of-the-art, multimedia-style classrooms, an amphitheater, computer lab and study areas.

Today, the administration building is the most recognized Penn State Hazleton structure, serving as one of the symbols of the campus. Recently, the island in the semi-circular driveway became the home to another Penn State icon — the new Nittany Lion statue, a three-fourth's scale replica of the original at University Park. Through gifts and purchases, Penn State Hazleton now consists of 104 acres of land, with the historic standing side-by-side with new and modern academic buildings, a manicured garden, a scenic overlook/picnic area, and a number of nature trails.



The Markle Mansion today serves as the main administration building for Penn State Hazleton. A Nittany Lion statue, a three-fourth's scale replica of the original at University Park, stands in the island of the building's semi-circular driveway.



Private Giving

\$1.5 million gift endows chair, scholarship

The College of Education is the beneficiary of a \$1.5 million gift made by a 1953 college alumnus to endow a memorial scholarship and a faculty chair.

The Jane Elizabeth Newlin and Everett Mason Batschelet Memorial Scholarship and the Harry L. Batschelet Chair of Educational Administration are the result of a commitment from the late Harry Lawrence Batschelet II, former vice president for financial development at the American National Red Cross. Batschelet died in 2001 soon after completing estate plans to create these endowments.

The Batschelet Memorial Scholarship, named in memory of Batschelet's parents, will be awarded to a public high school graduate or prospective graduate from the active youth of the congregation of the Messiah Lutheran Church in South Williamsport, the donor's hometown.

The recipient will be selected, without regard for race or gender, based on scholastic achievement, character, academic potential and financial need.

The Batschelet Chair in Educational Administration honors Batschelet's wife, Beverly Ann Batschelet, an education alumna of James Madison University, who was assistant to the executive director of the American Society for Association Executives.

William Lowe Boyd, distinguished professor of educational administration, has accepted the appointment as the first Batschelet chair professor.

Boyd is professor-in-charge of the graduate programs in educational administration and director of the Pennsylvania Education Policy Center.

A specialist in educational administration and education policy and politics, he has published more than 120 articles and

has co-edited 12 books. He has been president of the Politics of Education Association and an officer of the American Educational Research Association. He also has been a visiting Fulbright Scholar in Australia and in England, and a visiting scholar at Gothenburg University, the University of British Columbia, the University of Wales at Cardiff and the University of Warwick.

Boyd has studied education reform efforts in the United States, Australia, Britain, Canada and Sweden.

As a researcher for the National Center on School Leadership, the National Center on Education in the Inner Cities and the Mid-Atlantic Regional Educational Laboratory for Student Success, he has studied school effectiveness, coordinated school-linked services for at-risk children and the dynamics of parental choice of schools.

Alfred P. Sloan Foundation supports the World Campus

The Alfred P. Sloan Foundation has awarded a \$650,000 grant to the University in support of its World Campus, an online distance learning program.

The grant recognizes the University's leadership in developing and delivering innovative and high-quality educational programs that meet the needs of learners nationally and internationally who would not otherwise have access to a campus-based program.

In 1997, the New York-based Sloan Foundation first awarded a \$1.3 million grant to the University to help launch the World Campus. With this most recent grant, the Sloan Foundation has contributed a total of \$4.75 million to the Uni-

versity over four years for the development of a content-rich and interactive online learning environment that brings together the expertise of faculty members and instructional designers, the flexibility of advanced information technologies and the support of comprehensive, distance-based learner services.

The new grant will help the University continue its leadership in Asynchronous Learning Networks and will be used to support faculty research and development, student services, and administrative systems, according to Jim Ryan, vice president for Outreach and Cooperative Extension. In asynchronous learning environments, students and faculty do not

need to meet at the same time or place in order to exchange ideas (as with e-mail or bulletin boards, for example). The Sloan Foundation supports the use of this technology to reach learners and encourages institutions of higher education to make the leap to distance learning on a large scale.

Having completed its third full year of operation, the World Campus now provides 200 course offerings in 26 certificate and degree programs, and many more programs are in development.

University officials expect to have 10,000 course enrollments in 300 courses and 30 degree and certificate programs by 2003.

Eberly

Continued from page 1

Robert Eberly, a 1939 Penn State graduate and Fayette County native. He is a retired bank executive and also has been involved for many years in natural gas exploration and production.

"Including this latest gift from the foundation, the total lifetime support from the Eberly family to Penn State has reached an astonishing \$39 million," noted President Graham B. Spanier. "With this superb act of generosity, Bob and his family become Penn State's greatest living benefactors. Eberly philanthropy has transformed Penn State in many ways, from undergraduate scholarships to faculty chairs to new facilities, and from medicine to science to the libraries. In both breadth and depth, their support is unparalleled at Penn State. We are profoundly grateful."

Robert Eberly said that "my family and I see this building as another step by the campus to meet the needs of the surrounding community. There is a great need for this kind of building in our area. We want to encourage students, businesses and all the people of Fayette county to take full advantage of the campus's many opportunities for educational, social and cultural enrichment."

The Board of Trustees is expected to name an architect for the community center this spring. The facility is scheduled to open in the summer of 2004. It will consist of two wings that contain:

- an arena that can accommodate up to 1,500 people for stage events and 2,000 people for athletic events;
- a 500-seat auditorium;
- food services, including a 200-seat dining hall/cafe/ateria;
- an auxiliary gym for intramural sports;
- a fitness center and racquetball courts; and
- locker rooms and administrative offices.

In addition, there will be a series of outdoor public spaces including an entrance courtyard and a large plaza that will be suitable for large gatherings.

Robert Eberly and his father, Orville Eberly, helped to lead the community effort that convinced the University to establish the Fayette campus in 1965. The campus enrolls about 1,130 students, 80 percent of whom are Fayette county residents. It has 160 employees and an annual budget of approximately \$8.8 million.

Lawmaker Goodling's personal files donated to University Libraries

U.S. Rep. William F. Goodling recently gave University Libraries nearly 400 linear feet of his career records dating from 1974 to 2000.

The William Franklin Goodling Papers document his 13-term legislative career as a Republican congressman who represented Pennsylvania's 19th Congressional district — York and Cumberland counties. Goodling spearheaded the educa-

tional spending bill, signed into law in December 2000, that established the Goodling Institute for Research in Family Literacy within the University's College of Education.

The legislative records consist of memoranda, correspondence, draft legislation, statements, press releases, legislative research, reference files, campaign and

election files, personal correspondence, photographs and constituent service records.

Following an inventory, the papers will be cataloged and incorporated in a finished guide that will be mounted for public access on the World Wide Web.

For information, call James Quiguel at (814) 865-1793.



Lectures

Lecture series announces science speakers

The Science, Medicine and Technology in Culture lecture series presents the following speakers at the University Park campus:

Jan. 18: Naomi Oreskes, associate professor of history and science studies at University of California San Diego, will present "From Hydrogen Bombs to Hydrothermal Vents: The Military-Scientific Career of the Submersible ALVIN" at 4 p.m. in 102 Weaver Building.

Feb. 12: David Rosner, professor of history and co-director of the History of Public Health and Medicine at Columbia University, will present "Deceit and Denial: The Deadly Politics of Industrial Pollution, especially Lead Poisoning, in 20th Century America" at 4 p.m. in 102 Weaver Building.

Feb. 21: Hendrik Poinar, postdoctoral fel-

low in the Max-Planck-Institute for Evolutionary Anthropology at Leipzig, will present "Molecular Coprosopy: Searching Ancient DNA for Clues to the History of Life" at 4 p.m. in the auditorium at 112 Kern.

March 21: Benjamin Elman, professor of history at the University of California at Los Angeles, will present "The Transmission of Modern Science in Late Imperial China" at 4 p.m. in 102 Weaver Building.

April 5: Nelly Oudshoorn, professor of gender and technology in the Centre for Studies of Science, Technology and Society at the University of Twente, The Netherlands, will present "Designing Technology and Masculinity: The Clinical Testing of the Male Pill" at 4 p.m. in 102 Weaver Building. For information, go to the Web at <http://faculty.lia.psu.edu/sps/smtc.html>.

Lectures focus on African studies, Malcolm X

The African and African-American Studies Department lists the following events for January and February on the University Park campus:

Wednesday, Jan. 23: Kidane Mengistieab, professor of African studies and political science, will speak on "Globalization: The African Implications" during a brown bag luncheon from noon to 1:30 p.m. in 216 Willard Building. The event is free to the

public. For information, call (814) 863-4243.

Thursday, Feb. 21: Robyn Spencer, assistant professor of African and African-American studies and history, will facilitate a dramatic reading and discussion on "Reflections on the Meaning of Malcolm X's Life 37 years After His Death" at 7 p.m. in Pollock Commons. The event is free to the public.

For information, call (814) 863-4243.

Science series begins with lecture on Earth

"Planet Earth: Our Role in Its Health" is the topic of the 2002 Penn State Lectures on the Frontiers of Science, a series of free public lectures that will begin on Saturday, Jan. 19.

The lectures take place on six consecutive Saturday mornings from 11 a.m. to about 12:30 p.m. in 101 Thomas Building on the University Park campus.

The lectures include:

"How Can We Help the Earth Sustain Human Life?" Jan. 19, by Robert W. Corell, a senior policy fellow with the American Meteorological Society and the former assistant director for geosciences of the National Science Foundation;

"Will Global Warming Let Us Feed 10 Billion People Without Trashing the Planet?" Jan. 26, by William Easterling, professor of geography and director of the Environmental Consortium;

"Mammoths, Moose and How Animals Might Influence Earth's Response to Climate Change" Feb. 2, by Eric Post, assistant professor of biology;

"Frogs, Toads and Other Amphibians as Indicators of Global Change: Translating Global Change into Local Species Loss," Feb. 9, by Joseph Kiesecker, assistant professor of biology;

"Green Economics: An Optimistic Approach to Human Interactions with the Environment," Feb. 16, by Timothy Considine, professor of mineral economics; and

"Creating an Environmental 'Intelligence' Center," Feb. 23, by Eric Barron, professor of geosciences and director of the Earth Systems Science Center.

For information, call (814) 863-8453, e-mail science@psu.edu, or check the Web at <http://www.science.psu.edu/alert/news.html>.

Discussion focuses on refugees in West Africa

Jon Hubbard, research director of Center for Victims of Torture, will speak from 4 to 5 p.m. Jan. 18 in S209 Henderson Building on the University Park campus.

The lecture is titled "Helping Those Who Have Lost Community: Applied Research on

Refugees in West Africa."

The Center for Human Development and Family Research in Diverse Contexts and the Department of Comparative and International Education are sponsoring the event.

Gerontology Colloquia will begin on Jan. 23

The Spring 2002 Gerontology Colloquia Series will feature a number of speakers making free presentations on issues of aging.

With the exception of the Feb. 6, 13 and 27 presentations, all will be held from noon to 1 p.m. in 108 Wartik Laboratory on the University Park campus and videoconferenced to Room CG 623 at Hershey Medical Center. Those will be held at Hershey Medical Center and videoconferenced to Wartik Laboratory.

The speaker schedule follows:

Jan. 23: Robert Weech-Maldonado, assistant professor of health policy and administration, "The Impact of Quality on Nursing Home Costs: Is there a Tradeoff?"

Jan. 30: Elizabeth Braungart, NIA predoctoral fellow, Behavior Problems in Dementia: Stability of Daily Reports Over Three Months," and Dwayne Brandon, NIA predoctoral fellow, "Individual Differences in Blood Pressure and Well-being in African-Americans."

Feb. 6: Anne Hawkins, professor of humanities, "Euthanasia, Hospice and Pathography";

Feb. 13: Kathleen Fisher, assistant professor, "Mental Health Disorders for Rural Elders in Public Housing";

Feb. 20: Steven M. Boker, assistant professor of psychology, University of Notre Dame, "Fitting Models of Self-regulating Processes to Repeated Observations: Fac-

tor Invariance and Dynamic Invariance";

Feb. 27: Edward O. Bixler, professor of psychiatry, "Sleep and Wakefulness: Effects of Age";

March 13: Jason Altaire, postdoctoral fellow, "Going Beyond the Obvious: Intraindividual Variability as the Lost Information in Studies of Aging";

March 20: Arlene Katz, instructor in social medicine, Harvard Medical School, "Council of Elders";

March 27: Lori Frank, research scientist, MEDTAP International Inc., "Privately Funded Research and the Conduct of Science";

April 3: Maximiliane E. Szinovacz, research professor, The Glennan Center for Geriatrics and Gerontology, Eastern Virginia Medical School, "Retirement — Marital and Familial Contexts";

April 10: John Horn, professor of psychology, University of Southern California, "Search for Quintessential Expressions of Human Intelligence: No G But Maybe Expertise Intelligence";

April 17: Kaarin Anstey, research fellow, Prince of Wales Medical Research Institute, University of New South Wales, and Helen Christensen, Center for Mental Health Research, The Australian National University, "Eight-Year Changes in Sensory and Cognitive Performance in Very Old Adults: Results from the Australian Longitudinal Study of Aging."

Harvard research fellow to discuss sustainability

Robert W. Corell will speak on "Science and Technology for Sustainability: A Strategy to Address the Challenges of a Changing World" from 3 to 4:25 p.m. Friday, Jan. 18, in 111 Wartik Laboratory on the University Park campus.

Robert Corell is a senior research fellow at Belfer Center for Science and International Affairs in the Kennedy School of Government at Harvard University. The talk is sponsored by the Environmental Consortium.

Professor to talk about Douglass' narrative

The Comparative Literature Luncheon, a weekly informal luncheon gathering of students, faculty and other members of the University community, has announced the next speaker in this semester's series.

Richard Kopley, associate professor of English, will speak on "Additional Allusions in Frederick Douglass' Narrative: The Declaration of Independence and Poe's 'The Telltale Heart'" on Jan. 21.

The free event begins with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus.

Participants may bring their own lunch or buy something in Kern Cafeteria. Coffee and tea are provided.

The speaker will begin at about 12:40 p.m. For information, e-mail Daniel Walden at dxw8@psu.edu.

Luncheon discussion focuses on Zero Tolerance

Jacqueline A. Stefkovich, professor of education, will lead a discussion on the issue of Zero Tolerance policies and practices concerning drugs and weapons in the public schools at noon, Thursday, Jan. 24, in the Faculty Staff Club at The Nittany Lion Inn, University Park.

She will focus on how these policies and practices help, and how they can be overextended to create a climate of general intolerance in schools. The event is open to the public.

Nonmembers will be charged \$2 additional over the Faculty Staff Club-account lunch price, which is \$7 for a full buffet and \$5.50 for the light buffet.

To assist with seating, call (814) 865-8563 or e-mail Tammy Homan at tfshub@psu.edu by 9 a.m. Jan. 24 with attendance plans.



More Lectures

Teaching with Technology series begins Jan. 24

A free lunchtime Teaching with Technology seminar series, showcasing how faculty members are using digital media in the classroom, begins Jan. 24 on the University Park campus.

Each will be presented from noon to 1 p.m. in 141 Computer Building. The series, sponsored by the Center for Academic Computing and Center for Education Technology Services, will offer these topics:

■ **Jan. 24:** "Peer Instruction Using an Electronic Response System in Large Lecture Classes," presented by Stephen J. Piazza, assistant professor, Departments of Kinesiology, Mechanical Engineering, and Orthopedics and Rehabilitation, and the Center for Locomotion Studies;

■ **Feb. 22:** "Technology and Teacher

Education," presented by Christian Penny, instructor and supervisor of teacher education, Department of Curriculum and Instruction; and

■ **March 29:** "Earth 101 — Natural Disasters in (and beyond) the Classroom," presented by Kevin Furlong, professor of geosciences, and Jaime Whitlock, doctoral degree student, geosciences.

Each half-hour presentation is followed by a question-and-answer period. Participants should feel free to bring lunch; beverages will be provided.

Register online at <http://cac.psu.edu/training/>. A Penn State Access Account is required for registration.

For information, visit <http://cac.psu.edu/fmc/teach> or e-mail fmc@psu.edu.

Chemical Engineering series runs to April 23

The Department of Chemical Engineering Spring 2002 Seminar Series has planned a number of speakers for 10 a.m. Tuesdays in 140 Fenske Laboratory on the University Park campus.

The schedule follows:

■ **Jan. 29:** "An Information Theoretic Approach to Temporal Gene Expression Analysis," by Raj Acharya, professor of chemical engineering;

■ **Feb. 12:** "Enantioselective Chemistry on Naturally Chiral Surfaces," by Andrew J. Gellman, professor, Carnegie Mellon University;

■ **Feb. 26:** "Novel polymeric materials and strategies for DNA sequencing and genotyping by capillary/microchip electrophoresis," by Annelise E. Barron, professor, Northwestern University;

■ **March 12:** "Novel Mechanisms in Biological Adhesion," by Deborah E. Leckband, professor, University of Illinois at Urbana-Champaign;

■ **March 26:** "Metabolic Control Engineering," by James C. Liao, professor, University of California-Los Angeles;

■ **April 9:** "Engineering the Chemistry of Vapor Deposition," by Karen K. Gleason, Massachusetts Institute of Technology; and

■ **April 23:** "Enabling Microscopic Codes to Perform Several Tasks," by Yannis G. Kevrekidis, professor, Princeton University.

For information, call Barbara Abbott at (814) 865-2577 or e-mail blache@engr.psu.edu.

Domestic violence, employee assistance explored

Anne K. Ard, director of the Centre County Women's Resource Center, will discuss "Building Safer Families and Communities" from 12:10 to 1:10 p.m. Jan. 30 in the conference room of the Hintz Family Alumni Center on the University Park campus.

Ard's presentation kicks off the spring semester's Brown Bag Luncheons, a series of free programs sponsored by the Commission for Women Staff Issues Committee. Her presentation will explore the dynamics of domestic violence and its impact on women and children, and tell resources are available.

Cassandra Kikio, health promotions specialist, will present the next session, "Understanding the Employee Assistance Program, from 12:10 to 1:10 p.m. March 13 in the Hintz Family Alumni Center conference room.

Kikio will explain the benefits and procedures for using the free, confidential program to resolve personal concerns.

To register, call Carol Griffin at (814) 863-6188 or e-mail cjg3@psu.edu. Seating is limited. Coffee and dessert will be served.

Feminist scholar will explore 'remote intimacy'

Jennifer Terry, associate professor of comparative studies in the humanities at The Ohio State University, will discuss "Remote Intimacy" at 3 p.m. Feb. 12, in 129A HUB-Roberson Center on the University Park campus.

The event, part of the Feminist Scholar Speaker Series, is free to the public.

For information, call (814) 863-4025 or check the Web at <http://womenstudies.la.psu.edu/calendarchtml>.

Dig in



Doug Rosefsky, left, and Jeff Dice, both on the Office of Physical Plant landscape crew, clean up what the plows couldn't get after a storm dumped more than a foot of snow on the University Park campus.

Photo: Annemarie Mountz

COURSES

Health Matters

Wanda Knight, assistant professor in the Department of Art Education, will present "ARTiculating Diversity: Parenting for a Diverse World" from noon to 1 p.m. Wednesday, Jan. 23, at 125 Reber Building on the University Park campus. This workshop offers creative strategies for parents who are interested in learning about how to create a home environment that fosters an appreciation of diversity. Cost is \$5.

Other courses include:

■ **Beginner, Intermediate and Iyengar style Yoga** — from 11 a.m. to noon (beginner), noon to 1 p.m. (intermediate) and 1 to 2 p.m. (Iyengar Style) now through Feb. 26 in 50/51 White Building. Cost is \$30.

■ **Body Alignment** — noon to 1 p.m. Tuesdays and Thursdays through Feb. 28 in 47 White Building. Cost is \$35.

■ **The Puses of Positive Thinking** — Cassandra Kikio, coordinator of the Health Matters program, will present this free class from 12:30 to 1:30 p.m. Tuesday, Jan. 29, at 330 HUB-Roberson Center on the University Park campus.

■ **Qi Gong** — from noon to 1 p.m. through Feb. 27 in 307A Old Main on the University Park campus. Cost is \$25.

■ **Tai Chi** — from 11 a.m. to noon (beginner) and noon to 1 p.m. (advanced) through Feb. 28 in 50/51 White Building on the University Park campus. Cost is \$30.

■ **Relax With Movement** — Jo Rytter,

certified Kripalu DansKinesics instructor, will lead the class from noon to 1 p.m. Thursdays, Jan. 17 to Feb. 28, in 304 HUB-Roberson Center. Cost is \$30.

Register online at <http://www.ohr.psu.edu/health/home.htm> or call (814) 865-3085.

Free computing seminars

Free seminars on wide-ranging technology topics for faculty, staff and students are offered this spring through Computer and Information Services on the University Park campus.

Beginners to experts can take advantage of training in Microsoft Office applications, graphics, multimedia, desktop publishing, e-mail, Penn State Student Portal, Web design, database, statistical packages, high-performance computing, visualization, telecommunications and technology in the classroom, among others. Many of the seminars are hands-on, allowing attendees to immediately apply the skills and concepts covered.

Visit the Training Services Web site at <http://cac.psu.edu/training/> for seminar descriptions, dates, times and online registration. A Penn State Access Account is required.

For those unable to attend a regularly scheduled seminar, the "Web-Based Training" and "Training on Demand" links at the Training Services site describe alternative modes of technology training offered to the University community.



News in Brief

'Knowledge' looks at identity theft

Identity theft will be the topic of the next edition of "To the Best of My Knowledge," President Graham B. Spanier's monthly call-in show airing at 7 p.m. Tuesday, Jan. 22, on WFSU-FM and WFSU-TV.

Joining Spanier will be Cathy Bowen, a consumer issues specialist at the University, and Kathleen Künzler, director of computer and network security for the University. Participating by phone from California will be attorney Mari Frank, author of *Victim to Victor* and developer of The Identity Theft Survival Kit.

Listeners with questions or comments are encouraged to call (800) 543-8242 during the one-hour broadcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.wfsu.psu.edu/tibomk/>, and they will be able to contact the president during the program via e-mail to response@psu.edu.

Open house

University Libraries' Open House/Orientation will be from 8 a.m. to 5 p.m. Wednesday, Jan. 23, and 10 a.m. to 5 p.m. Thursday and Friday, Jan. 24 and 25, at the entrances to Patten and Paterno Libraries on the University Park campus.

For information, call (814) 865-9257 or check the Web at http://www.library.psu.edu/crsweb/instruction/ip/open_house.htm.

Achieving Women nominations sought

The Commission for Women is seeking to recognize women who have achieved and excelled at Penn State and in their communities. Women selected for the award will be honored at the Commission for Women's annual banquet on March 18 at The Penn State Conference Center Hotel on the University Park campus.

The Commission is asking for nominations of achieving women from the following categories: faculty; staff (except and nonexcept); administrative; technical service; locations outside University Park; and students, both graduate and undergraduate.

Nominations should be submitted to: Annemarie Mounitz, co-chair, Outreach Committee, Achieving Women of Penn State nominations, 312 Old Main, University Park, PA 16802. For information, e-mail AMounitz@psu.edu. For a nomination form, call the commission office at (814) 865-1683 or visit the Web at <http://www.tions.psu.edu/cfw/>. Award criteria and more information are available at the site. Submissions are due no later than Feb. 18.

Doctoral Support Award Competition

The EBusiness Research Center is seeking applications for its second annual e-Business Doctoral Support Award Competition.



G.M. McCrossin Inc. of Bellefonte has been chosen as the contractor for the Pasqueville Spiritual Center construction project on the University Park campus. Construction fences are up and preliminary work has begun on the project, which includes renovations to the Helen Eakin Eisenhower Chapel as well as construction of the spiritual center addition that will be located between the existing chapel and Allen Road.

Photo: Greg Grieco

Up to three candidates in accredited doctoral programs will receive dissertation support awards totaling \$25,000.

Doctoral candidates should submit an abstract of their research not to exceed five double-spaced pages, along with a current letter and a vita of their dissertation adviser no later than March 15. The abstract should address the potential importance of their work to e-business, its theoretical contributions, the research methodology, and the amount and kind of support requested.

Proposals will be judged by an academic panel consisting of representatives of the eBRC and qualified faculty members from Penn State and other universities. Finalists will be notified by April 10.

For information, call Arvind Rangaswamy at (814) 865-1907 or e-mail arvind@psu.edu. More information is online at <http://www.ebrc.psu.edu>.

Library access seminars

One-hour introductory seminars on LIAS, the Library Information Access System, including the Libraries' online catalog are scheduled through March 25. These seminars teach how to access books, magazines, government documents and other materials; how to use LIAS from home; and more.

Seminars will be held in Gateway Commons Instructional Lab, 104 Patten Library, University Park. Registration is required. Call (814) 865-9257 or e-mail signup@psu.lia.psu.edu.

Times for all seminars vary. Check http://www.library.psu.edu/crsweb/instruction/ip/lias_seminars.htm for a complete listing.

Nomination deadline extended

The due date for many of the nomination forms for the 2002 Alumni Recognition Awards has been extended until April 30.

The Awards Committee of Alumni Council decided that since the awards are not presented until the fall, and to better accommodate entries for the Outstanding National Service Week award, the original Feb. 1 date should be extended. Awards include: Volunteer of the Year Award, Recent Alumnus/Alumna Award and the Philip Philip Mitchell Alumni Service Award.

The date for all affiliate group award nominations also has been extended through April 30. Awards include: Chapter Achievement Awards, Alumni Achievement Society Awards, Affiliate Program Group Achievement Award, Alumni Inter-Group Achievement Award, P.R.I.D.E. Achievement Award and the Outstanding National Service Week Project Award.

For information, call (800) 548-5466, option 4, e-mail alumni_recognition@psu.edu or visit <http://www.alumni.psu.edu/awards>.

Information from CAC

— Kerberos recommended for Eudora users

The Center for Academic Computing (CAC) strongly recommends that those who use the Eudora e-mail client on either a Windows or Macintosh platform use Kerberos to safeguard their Penn State Access Account user and password. The Kerberos network authentication protocol, developed at the Massachusetts Institute of Technology, uses strong cryptography to make it possible for a client to prove its identity to a server (and

vice versa) across an insecure network connection.

After a client and server have used Kerberos to confirm their identities, they also can encrypt all of their communications to ensure privacy and security.

Individuals can obtain a Kerberos plug-in for Eudora e-mail via the CAC PAC CD, a collection of free software for faculty, staff, and students.

For information on CAC PAC and Kerberos, check the CAC Internet Access Guide on the Web at <http://cac.psu.edu/internet/> and click on the Software: CAC PAC link. Information on this topic also is available in the article, "CAC Initiates Security Measures for Password Protection" at <http://cac.psu.edu/news/securitymeasure.html>.

— Access Account storage space available

The Center for Academic Computing (CAC) now provides all Access Account holders with Penn State Access Account Storage Space (PASS) when they activate a Penn State Electronic Mail (e-mail) account, set up a Personal Web space account or enroll in a course that uses the CAC UNIX Cluster Lab computers.

Account holders will receive 50 Megabytes of file space for free. Although many account services are free, some require a nominal fee. More information about accounts, allocations and fees can be found via the CAC Computer Accounts Web site at <http://cac.psu.edu/accounts/>.

The PASS Gateway allows computer users to quickly access and copy files to their PASS without an FTP (File Transfer Protocol) client. For more information, see <http://www.work.psu.edu/pass/> and <http://cac.psu.edu/ait/storagespace.html> on the Web.

Conflict of interest

The bylaws of the University Board of Trustees require that the following be published at least once annually:

Disclosure of potential conflict of interest by employees of the University: Employees of the University shall exercise the utmost good faith in all transactions touching upon their duties to the University and its property. In their dealings with and on behalf of the University, they shall be held to a strict rule of honest and fair dealings between themselves and the University. They shall not use their positions, or knowledge gained therefrom, in such a way that a conflict of interest might arise between the interest of the University and that of the individual. Employees shall disclose to the administrative head of the college or other unit in which they are employed, or other appropriate superior officer, any potential conflict of interest of which they are aware before a contract or transaction is consummated.



University Park Calendar

January 18 - January 27

SPECIAL EVENTS

Friday, January 18

The New Shanghai Circus, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Friday, January 25

"Devotion to Diversity, gallery talk, Joyce Robinson, noon, Palmer Museum of Art.

MUSIC

Saturday, January 19

Student recital, Virginia Kim, oboe, and Benjamin Kim, saxophone, 4 p.m., Recital Hall, Music I.

Opera Gala, Susan Boardman, director, 8 p.m., Recital Hall, Music I. For tickets, call (814) 865-0431.

Sunday, January 20

Student recital, Kristy Yeager, flute, 4 p.m., Recital Hall, Music I. Student recital, Peter Lekx, viola, 8 p.m., Recital Hall, Music I.

Monday, January 21

Essence of Joy, 12:30 to 2 p.m., 103 Pattee.

Thursday, January 24

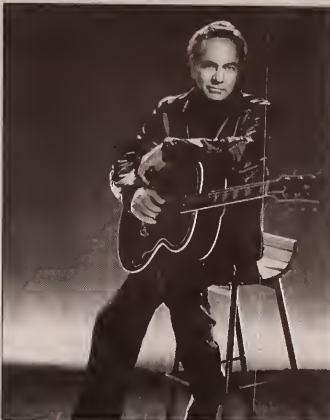
The Penn State Voice honors recital, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

Friday, January 25

Graduate student recital, Amhara Buxton-Kutch, conductor, 8 p.m., Recital Hall, Music I.

Saturday, January 26

Student recital, Winn Robinson, horn, 5 p.m., Recital Hall, Music I. Student recital, Lisa Hooper, cello, 8 p.m., Recital Hall, Music I.



Neil Diamond pays The Bryce Jordan Center a visit at 8 p.m. Tuesday, Feb. 26. For tickets, call (814) 865-5555.

Monday, January 21

Gregory Cook on "Black-Hole Binaries in Quasi-Equilibrium," 3:30 p.m., 318 Osmond Laboratory.

Tuesday, January 22

David Huse on "Quantum Critical States in Spin and Hopping Models Dominated by Quenched Disorder," 3:30 p.m., 339 Davey Laboratory.

SEMINARS

Friday, January 18

Lorraine Dowler on "Chasing Ché: Political Tourism and Gender in Cuba," 4 p.m., 301 Steidle.

Jon Hubbard on "Helping Those Who Have Lost Community: Applied Research on Refugees in West Africa," 4 to 5 p.m., S209 Henderson.

Naomi Oreskes on "From Hydrogen Bombs to Hydrothermal Vents: The Military-Scientific Career of the Submersible ALVIN," 4 p.m., 102 Weaver.

Saturday, January 19

Robert W. Corell on "How Can We Help the Earth Sustain Human Life?" 11 a.m. to 12:30 p.m., 101 Thomas.

Wednesday, January 23

Robert Weech/Maldonado on "The Impact of Quality on Nursing Home Costs: Is there a Tradeoff?" noon to 1 p.m., 108 Wartik Laboratory.

Kidane Mengisteb on "Globalization: The African Implications," noon to 1:30 p.m., 216 Willard.

Thursday, January 24

Jacqueline A. Stefikowich on "Zero Tolerance Policies and Practices Concerning Drugs and Weapons in the Public Schools," noon, Faculty Staff Club, The Nittany Lion Inn. To register, call (814) 865-8563.

Steve Rolston on "BEC: A Coherent Playground for Physicists," 4 p.m., 117 Osmond Laboratory.

Friday, January 25

Tom Kurtz on "The Growing Pains of a Suburban Township," 4 p.m., 301 Steidle.

Saturday, January 26

William Easterling on "Will Global Warming Let Us Feed 10 Billion People Without Trashing the Planet?" 11 a.m. to 12:30 p.m., 101 Thomas.

EXHIBITS

Palmer Museum of Art

"American Pastorate: Drawings by John F. Kensett," through Feb. 3.

"Devotion and Diversity: South Asian Sculpture from the Philadelphia Museum of Art," through Feb. 2004.

"The Getzler Portfolio," through Feb. 10.

Pattee and Paterno Library exhibit areas

"Celebrating Martin Luther King Jr. and Black History Month," exhibit featuring 18 posters, through March 4.

"When Two or More are Gathered Together: Groups and Composite Images from the B. and H. Henisch Photo-History Collection," through March 30.

"John Biggers," Charles L. Blockson," "Paul Robeson" and "Sketches from Todi: A Study Abroad Experience," through March 13.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Zero Tolerance for Hate Support Network is a resource to those who have experienced hostility

Most headlines focus on visible acts of intolerance such as the receipt of hate mail, ethnic graffiti scrawled on a door or physical violence. But for many, a hostile climate may begin with a rude comment from a fellow student, or a deliberate lack of cooperation from a co-worker.

People encountering prejudice usually want to know who to talk with and where to go with questions, but often are uncertain where to turn. A new program, The Zero Tolerance for Hate Support Network (ZTSN), offers assistance to all members of the Penn State community who feel they have experienced intolerance.

The ZTSN network comprises students, faculty and staff, and community members who are committed to civility by respecting and supporting the rights of others, and providing resources to those in need.

"For the past decade or so, the University community has been dealing with various acts of intolerance and has been engaged in ongoing discussions and dialogue, but awareness has been heightened among students over the last two years with specific incidents," said Erik Malewski, network liaison in the Office of Vice Provost for Educational Equity. He and fellow graduate student Audrey Elion developed the network.

"Sometimes, diverse students and employees are unfamiliar with a local community, resulting in misunderstandings," he said. "They need a supportive person to talk out their questions or frustrations and guide them toward the appropriate direction. As we have seen after the Sept. 11 terrorism, it is difficult to learn or work productively if a person is feeling constant uncertainty or anxiety about their environment. Just knowing there are allies often offers great comfort and relief."

Network members would display posters or stickers with the ZTSN symbol — multicultural hands connected in a circle of support. "The symbol illustrates the joint efforts of the Penn State community to combat discrimination and hatred," said Malewski.

"The Zero Tolerance For Hate Support Network is among the newest of the many programs designed to enhance diversity and create a more welcoming climate here at Penn State," said Terrell Jones, vice provost for educational equity. "There are hundreds of diversity advocates at Penn State, and this network will help to create those connections needed for diverse people. Creating and maintaining a supportive environment takes more than just a village; at Penn State, it takes whole communities working together."

The Zero Tolerance For Hate Network is modeled after the successful Lesbian, Gay, Bisexual and Transgender (LGBT) Support Network whose members provide information, sensitivity and understanding toward lesbian, gay, bisexual and transgender issues. There are 350 members currently in the LGBT network; Malewski hopes to recruit an equal number for the ZTSN network as well.

"Network members would be knowledgeable about issues of hate and discrimination," he said. "They don't have to be formal experts, but have a good listening ear and a dedication to civility on campus. Members can discuss concerns and give out information about relevant resources that are available, such as key offices at the University or the community."

Students, faculty and staff and community members are encouraged to apply to be network members. Applications are available online at <http://www.equity.psu.edu/ztsn/about.html>. A review committee selects network members, who receive resource materials, such as posters and stickers, and brochures such as "Ten Ways to Fight Hate" and "101 Tools for Tolerance" published by the Southern Poverty Law Center. Interested individuals can call Malewski at (814) 865-1773 or e-mail emx22@psu.edu.



Arts & Entertainment

Chinese circus coming

The high-flying athletes of The New Shanghai Circus will storm the stage at 8 p.m. Friday, Jan. 18, in Eisenhower Auditorium on the University Park campus. The troupe features acrobats, jugglers, contortionists and magicians.

Artistic Viewpoints is offered in the Eisenhower Auditorium Conference Room one hour before the performance and is free for ticket holders.

Tickets are \$25 for general audience members; \$20 for students; \$10 for Penn State University Park students; and \$13 for children 12 and younger.

For information, call (814) 863-0255 or (800) ARTS-TIX or visit <http://www.epa.psu.edu> on the Web.

Art classes scheduled

The Center for Arts and Crafts at University Park will offer adult, non-credit art classes beginning the week of Jan. 21.

Brochures are available at the HUB-Robeson Center information desk, 207 HUB-Robeson Center. Register at the center's headquarters in 11 Grange Building or 207 HUB-Robeson Center. Registrations can be mailed to 202 HUB-Robeson Center, University Park, Pa. 16802.

For information, call (814) 863-0611.

Concert planned

Essence of Joy will perform for the University Libraries' Martin Luther King Day Celebration from 1:30 to 2 p.m. Monday, Jan. 21, in the Circulation Lobby, 103 Pattee Library on the University Park campus.

For information, call Sulane Breon at (814) 863-2135.

Free concert

The Independence Sinfonia, composed of volunteer musicians from the greater Philadelphia area, will perform at 2 p.m. Sunday, Feb. 3, in the Sutherland Auditorium at Penn State Abington. The orchestra is conducted by Gabriel Gordon.

The event is free to the public. For information, call (215) 881-7368.

Art museum exhibit schedule

The Palmer Museum of Art on the University Park campus has announced its schedule of upcoming exhibitions.

■ **"American Pastoral: Drawings by John F. Kensett,"** through Feb. 3, American Works on Paper Gallery. A selection of Kensett's costumed figure studies, rendered in pencil and watercolor, will complement the exhibit's display of the artist's better-known American landscape sketches.

■ **"The Geldzahler Portfolio,"** through Feb. 10, Special Exhibitions Gallery I. This portfolio, published by The Estate Project for Artists with AIDS, brings together



The cast of "Anything Goes" embarks on a memorable cruise, singing and dancing its way across the Atlantic from Feb. 15 through 23 in the Playhouse on University Park campus. For tickets, call (814) 863-0255.

Janet Jackson, Weezer are coming to town

BRYCE JORDAN CENTER

Janet Jackson and pop band Weezer will headline February concerts at The Bryce Jordan Center on the University Park campus. Jackson will bring her "All For You" tour, featuring eight dancers and seven musicians, to the stage at 8 p.m. Friday, Feb. 1. Ginuwine is the opening act.

Tickets cost \$35.50, \$45.50 and \$58.

Weezer brings its "Hyper Extended Midget" tour to the center beginning at 7:30 p.m. Tuesday, Feb. 12. The opening act is Saves the Day.

The band is supporting its self-titled CD, which has been certified platinum. Tickets cost \$29.

Tickets are will be available at The Bryce Jordan Ticket Center, Eisenhower Auditorium, selected Uni-Mart's, Commonwealth Campus ticket outlets, by calling (814) 865-5555 or (800) 863-3336, or online at <http://www.bjc.psu.edu>.

works created in honor of Henry Geldzahler by several noted contemporary artists. Included in the exhibition is a video of Andy Warhol's 1964 film portrait of Geldzahler.

■ **"Sam Gilliam: Recent Prints,"** February through May 26, Works on Paper Gallery. This exhibit will feature prints from the late 1990s up to the present, including recent works printed on sheets of wood veneer.

Gilliam will speak about his work at 1 p.m. April 29 in Palmer Lipcon auditorium.

■ **John Paul Caponigro, Feb. 26 to June 2, Special Exhibitions Gallery I.** The exhibition will feature Caponigro's most recent digital work, displayed together with the studies and sketches that helped to bring the final prints to fruition. The show has been organized in tandem with a lecture and a series of workshops that the artist will hold for students and faculty in the School of Visual Arts this semester.

■ **"Carrie Mae Weems: Jefferson Suite,"** March 12-June 9, Special Exhibitions Gallery II. In her installation "Jefferson

Suite," Weems explores some of the profound issues and possibilities posed by the dazzling accumulation of evidentiary DNA information from this point of view. Working in tandem with musician James Newton, who has composed an original musical score integral to the installation, Weems has developed a narrative titled "Let the Record Show," which is heard throughout the gallery, providing both background and context for her photographic images. Weems' installation is composed of multiple digitally produced photographs on semi-transparent translucent banners.

■ **"Devotion and Diversity: South Asian Sculpture from the Philadelphia Museum of Art,"** through fall 2004, Tonkin Gallery of Asian and African Art. The 19 pieces of sculpture selected for exhibition, according to Joyce Robinson, curator at the Palmer Museum of Art, represent nearly 2,000 years of India's stone and metal sculptural traditions and a diversity of religious expression, from medieval Hindu temple statuary to devotional Buddhist objects.

For information, call (814) 865-7672 or visit <http://www.psu.edu/dept/palmermuseum>.

Dual exhibit opens

"Visual Narrative," an exhibition of paintings, will run through Feb. 6 the McLanahan and Sheetz Galleries at Penn State Altoona.

The exhibition includes works by Bruce Erikson of St. Louis and Marina Kalinovsky of Brooklyn, N.Y. "Visual Narrative" is the fourth exhibit of the lryside Juried Exhibition 2001-2002 featuring 10 nationally recognized artists.

For information, call (814) 949-5451 or visit the Penn State Altoona Web site at <http://www.aa.psu.edu>.

Orchestra cancels

The Prague Radio Symphony Orchestra, which had been scheduled to perform Thursday, Feb. 7, at University Park, has canceled its North American tour.

CSA Czech Airlines, the tour sponsor, has withdrawn its funding because of hardships incurred in the wake of the Sept. 11 terrorist attacks.

Ticket holders can exchange their tickets for seats to another performance in the Center for the Performing Arts' January-through-April schedule or they can get a refund for the value of the tickets.

To make arrangements, call (814) 863-0255 or (800) 278-7849 no later than Friday, Jan. 18. The unused Prague Radio Symphony tickets must be returned by mail or in person to the Arts Ticket Center at Eisenhower Auditorium on the University Park campus.

The mailing address is: Arts Ticket Center, Eisenhower Auditorium, University Park, PA 16802-2108.

Islam

Continued from page 1

themselves have become the ambassadors of intelligent conversation among their family and friends," he said.

Gianotti observed that "on the whole, Muslim students on campus have tried very hard to be inclusive. They invite other student groups to their meetings, they attend interfaith events. Some aspects of socializing on campus, such as attending frat parties and drinking, are not appropriate for them, but they are very eager to create a dialogue. They perceive the need to be outgoing."

The Office of International Studies doesn't keep statistics on religious affiliations and only about 50 percent of incoming students elect to mark affiliations on admissions forms, according to Sharon Mortensen, interim director of the Center for Ethics and Religious Affairs. Of those that did, about 100 identified themselves as Muslims.

Many of Penn State's undergraduate Muslim students join the Muslim Student Association, a group with a long-time association with the University.

"We help educate others as well as ourselves about Islam; our goal is to become more united as Muslims," according to Zubair Malik, president. Malik is a junior majoring in pre-med.

The organization has a listserve of about 300 students. Weekly meetings generate attendance of anywhere between 30 and 50 students, "but we can draw 200 to 300 for our big events," Malik said. Most of the club members are American citizens, Malik said.

MSA activities include a big brother/big sister program, joint events with other clubs, dinners, fund-raisers and participation in volleyball, soccer and basketball teams. The MSA contributes funds to the dance marathon and student organizations and holds an annual Muslim World Fair, Malik said.

Penn State York and Penn State Delaware County also have MSA chapters. Hershey Medical Center has the Islamic Medical Association Penn State College of Medicine Chapter.

Ibrahim Ibrahim, assistant professor in the College of Health and Human Development, has worked at University Park for about three years.

During that time he's been an active member and past president of the Islamic Society of Central Pennsylvania.

The society, which has been around for about 15 years, counts about 130 to 150 registered members, but about four times that many attend some of the bigger religious observance services. Ibrahim estimates that about 500 to 600 Muslims live in State College and about 1,000 to 1,500 live in Centre County.

The majority of them are graduate students, noncitizens, who stay an average of four to five years. They are active in the community as members of the local Parent Teacher Organizations, play soccer, donate books to the library, arrange for blood drives and donate to Goodwill, Ibrahim said.

But after Sept. 11, "it became apparent to me that after these efforts that people don't know who the Muslims are," Ibrahim said. "After Sept. 11, we felt an urgent need to tell people who we are because people are very apprehensive about the image of Islam being presented in the papers."

On Sept. 11, Ibrahim watched the terrorist attacks unfold on television. His neighbor, a Mennonite pastor, knocked on the door. "We talked about what they should do for an hour in response to what happened nationally," Ibrahim recalled. "He offered his home if there was a personal threat to me."

Ibrahim said he quickly received calls and e-mails from Christian and Jewish friends as well as neighbors and colleagues with supportive messages.



Muslims gather for prayer in the Pollock Rec Room on the University Park campus every Friday when classes are in session. Shoes are removed to keep the worship area plain and clean.

Photo: Greg Grieco

"Two days after the attacks, I was shopping with my wife when we were stopped by a lady whom we didn't know but she recognized that we are Muslims because of my wife's scarf," Ibrahim recalled. "She approached us and said that she is sorry if we have been subjected any harassment by people who vented a misguided anger and that this not the real face of America. She hugged my wife and shook my hand and we were really touched by such a good gesture."

"This is a function of groundwork we have done before," he said, in reference to the community's tolerance and acceptance.

Since then, the Islamic Society of Central Pennsylvania has become proactive about Muslims and the tenets of the Islamic faith.

"We went out and talked," he said. "We arranged for an open house at the mosque, we talked to churches, community groups, we got many invitations to talk to community and civic groups that are not necessarily religious."

Ibrahim said he's been pleased with the community's response. "It was good to see," he said. With the community seeking input, "it was an effort of maturity. They were not lashing out."

Belz has had both positive and negative experiences in the State College community since Sept. 11. "In the weeks after Sept. 11, I feared for our children," she said. "On Back to School Night in the State College Area School District I heard some other parents openly slandering Muslims."

Belz said that American society has caused her to feel constricted in how openly she practices her faith. She said wearing the traditional women's scarf, the hijab, could

Facts about Islam

Islam is a monotheistic religion. Followers are called Muslims; they believe in God (Allah is the Arabic word for God), whose existence was revealed through the writings of the prophet Mohammed, which are recorded in the Qur'an. They also honor the prophets of Judaism and Christianity. They believe in a Paradise and a Hell. Islam does not support violence, discrimination or terrorism. It advocates equality and accepts religious pluralism as a fact of life.

There are five pillars to Islamic faith:

1. Declaration of Allah, the one God.
2. Prayer, which they perform five times a day.
3. Fasting: During the ninth month of the Islamic calendar, Ramadan, Muslims fast from sun-up to sundown.
4. Giving to the poor.
5. Pilgrimage to Mecca.

About 1.2 billion people of all races are followers of the Islamic faith, but only 18 percent of them live in the Arab world. The world's largest community is in Indonesia.

The United States has 1,209 mosques; some 62 percent of them were founded after 1980. About 2 million Muslims are associated with those mosques, including about 30 percent who are converts.

(Information from U.S. Department of State's Office of International Information Programs and a Web site posted by Julie Belz, assistant professor of Islamic studies.)

make her a target. "There have been incidents where people yell things at veiled women in our community, people have been rude to us because of our names (her children have Muslim names)," Belz said. "In the mall, one of the sisters in our community was simply shopping, when she was approached by the police. Another patron mistakenly told police she had a bomb in her purse."

"I'm concerned that wearing the scarf might have an effect on how I was reviewed in my job," she said. "If I showed up for an interview wearing a scarf, employers might be less likely to consider me seriously for a tenure track position. I'm concerned that students and colleagues might express prejudices toward veiled women in the workplace."

"I think I can practice my religion unimpeded," Belz continued. "But it is difficult at points. For example, alcohol is served at many off-campus faculty functions. Muslims are not only forbidden to drink alcohol, we are supposed to avoid places where it is served. It is very uncomfortable for me to participate in work-related functions where alcohol plays a role. I have been present at committee meetings where colleagues have joked about the use of alcohol. Many colleagues are not aware that such things are uncomfortable and even offensive to Muslims. I think it is a question of proper diversity sensitization for the University faculty, staff and community."

Belz recently created a Web page, http://www.personal.psu.edu/faculty/j/a/jab63/islam_facts.html, carrying information on the basics of Islam to counteract some of the misinformation in the wake of Sept. 11.

"We want to practice our religion," Belz said. "It has nothing to do with being distinctive or with blending in."

Julie A. Brink can be reached at jab81@psu.edu.



Appointments

Executive director of University development appointed

David J. Lieb has been named executive director of University development in the Division of Development and Alumni Relations.

He will have overall responsibility for managing the University's major gifts program and coordinating the work of the various directors of development at the University Park campus and the Dickinson School of Law, as part of the \$1.3 billion Grand Destiny capital campaign.

He will report to Peter Weiler, associate vice president for development and alumni relations.

Lieb returned to Penn State in 1999 as director of University development after hav-



David J. Lieb

ing served as associate vice president for university advancement at California University of Pennsylvania. He successfully managed that institution's first capital campaign, which raised \$13 million in gifts.

From 1989 to 1996, he served in various development posts at Penn State, including regional coordinator of annual giving, development officer in

The Smell College of Business Administration and director of development for University programs.

Lieb holds a bachelor of arts from Indiana University of Pennsylvania and a master's degree in higher education from the University.

Capital College administrator appointed new associate dean

Longtime Penn State Capital College faculty member and administrator William J. Mahar is its new associate provost and senior associate dean for academic affairs.

Mahar, professor of humanities and music and director of the School of Humanities, joined the Penn State Harrisburg faculty in 1972 and has served as school director since 1984. He is author of the *Behind the Burnt Cork Mask: Early Blackface Minstrelsy and Antebellum American Popular Culture* and has been a frequent contributor to books, journals and popular magazines.

Mahar has been honored with the Penn State Harrisburg Award for Excellence in Research, the James A. Jordan Memorial Award for Teaching Excellence, the University's Award for Outstanding Contributions to Improving Equal Opportunity and Cross-Cultural Relations and the University's Excellence in Advising Award.

Hanes announced a national search for a replacement for Mahar as director of the School of Humanities. Simon J. Bronner, distinguished professor of American studies and folklore, has been appointed interim director.

Gateway Library head plans customer service training

Lesley Moyo was recently named head of the Gateway Library of University Libraries, University Park.

She had served as interim head since August 2000.

The library is composed of two wholly digital facilities—the Gateway Commons, a first stop for users new to the Libraries who need information not conforming to a subject library and Pollock Laptop Library, which is open 24 hours a day and provides faculty, staff and students with laptops for use free of charge, as well as electronic reference assistance and study areas.

Moyo's plans include customer service training at reference and welcome desks as



Lesley Moyo

well as staff development. Additionally, she will continue to develop Gateway's outreach efforts to new students, including international students and adult learners, while working toward a broader marketing effort.

Moyo earned a bachelor of arts in library studies from the University of Zambia in 1981 and a master of library science from the University of California in 1983.

Before coming to the University, she taught computer studies at Delaware Technical and Community College, worked in various public service roles at the University of Zimbabwe, and taught library and information studies at the University of Zambia and the University of Botswana.

Security officer appointed at Penn State Lehigh Valley

William F. Speth has joined the Penn State Lehigh Valley campus as a full-time security officer.

Before his appointment, Speth completed 30 years with the Spring Township Police Department, the last 14 years as police chief.

Speth earned his bachelor's degree in communications from Kent State University and is a graduate of the Pennsylvania State Police Academy in Hershey. Additionally, he graduated from the FBI's Inter-County Detective School.

AWARDS

Presidential Early Career Award goes to Coutu

Stephane Coutu, assistant professor of physics, is a recipient of the 2002 Presidential Early Career Award for Scientists and Engineers, the highest honor bestowed by the U.S. government on young scientists and engineers at the outset of their independent research careers.

Established by President Clinton in February 1996 and administered by the U.S. Office of Science and Technology Policy, the award provides up to five years of funding for research in support of government missions. Coutu was nominated for the award by the National Aeronautics and Space Administration.

Coutu is an experimental physicist whose primary research interests are elementary particles and fields. His projects include high-energy cosmic rays and air showers; particle astrophysics; and the origin, propagation and composition of high-energy cosmic particles—both matter and antimatter.

Coutu is involved in several NASA-supported missions including the High-Energy Antimatter Telescope program, a series of



Stephane Coutu

high-altitude balloon-borne experiments flown to the edges of the atmosphere, essentially into space, to study antimatter in cosmic radiation. He also is involved in the Cosmic Ray Energetics and Mass project, an effort to build an advanced balloon payload to measure the mass composition of very-high-energy cosmic rays.

Coutu is a participant in studies for the next generation of space-borne high-energy cosmic-ray detectors, such as NASA's ACCESS detector scheduled to be launched in about 2007, which could be operated on the International Space Station.

Coutu's non-NASA activities include participation in the Pierre Auger Observatory project, is a large international undertaking with contributions from 12 countries. Auger is an ambitious plan to construct two huge arrays of detectors, each the size of Rhode Island, one in the northern hemisphere, and one in the southern, to study the highest-energy particles in the universe and to open up a new window on the physical world.

Packard Fellowship allows pursuit of research

Arli Mizel, assistant professor of physics, has received a five-year, \$625,000 Packard Fellowship in Science and Engineering from the David and Lucile Packard Foundation.

The fellowship provides unrestricted funds to young faculty members in science and engineering who have demonstrated unusual creative ability in research. Mizel is one of 24 nationwide who were selected to receive the award this year.

Mizel is a condensed-matter theorist who said his research interests concern bizarre quantum effects in solid materials.

"Modern physics tells us that solid objects are actually swarms of quantum-mechanical particles capable of very bizarre behavior," Mizel explained. "My research program focuses on analyzing and potentially harnessing this



Arli Mizel

bizarre quantum behavior in real materials."

His specific interests include the design of quantum computers, semiconductor electronics and spintronics, and vortex dynamics in superconductors. He said the support provided by the Packard Foundation Fellowship will enable him to pursue these endeavors by hiring a team of research personnel and equipping them with a powerful computational infrastructure.

The David and Lucile Packard Foundation fellowships were established in 1988 to develop future scientific leaders, to further the work of the nation's most promising young scientists and engineers, to encourage networking among these researchers and to support efforts to attract talented graduate students into university research in the United States.

Staff service awards are presented to 3

The College of Arts and Architecture recently named three employees as recipients of the 2001 Staff Award for Outstanding Service.

■ **Lisa Faust**, audience services coordinator for the Performing Arts, was recognized for her commitment to making every performance a success through her energy, accommodating nature and ability to give guests the "royal Penn State treatment." Faust's colleagues noted that her skill in handling recent renovations to Eisenhower Auditorium made it possible for all work to be completed before this season's opening show.

■ **Corry Kurzinger**, administrative assistant in the Department of Art History, was honored for her excellence in dealing with administrative needs and requirements of faculty and students in art history.

■ **Rosalie Bailey**, staff assistant in the Office of Research and Graduate Studies, was recognized for providing exemplary service for faculty and graduate students throughout the college. Bailey also was noted for her skill at managing several budgets and various grant monies to assist faculty and graduate students in completing research projects.

University reports continued growth in research programs, continued benefits

By BARBARA HALE
Public Information

The University's research expenditures increased once again in fiscal 2001 for major programs in nanotechnology, materials engineering, defense, transportation, children, youth, families and other research areas which promise to make life better.

Robert Killoren, assistant vice president for research and director of the Office of Sponsored Programs, said that if spending for research and creative activity from all sources of support are considered, including federal and Commonwealth funding, private industry, foundations, University infrastructure support and institutional cost sharing, total expenditures for organized research at Penn State reached \$472 million in fiscal 2001. The comparable figure for fiscal year 2000 was \$440 million.

"Penn State faculty members continue to conduct significant research that not only advances knowledge but also serves the nation in important ways and helps improve the quality of life for all Americans," said Eva J. Pell, vice president for research and dean of The Graduate School. "Our faculty members are contributing new ideas and new technologies across a very wide spectrum of disciplines. This is the power of a major research university — creating an environment where people from many disciplines can work together to solve major problems. Our scientists and scholars also are recognized nationally and internationally as some of the best in their fields. This leads to some very exciting and productive research collaborations."

One such collaboration helped inaugurate the National Science Foundation (NSF)-sponsored Regional Center for Manufacturing Education in Nanotechnology. This unique educational partnership provides students from all of the Pennsylvania community colleges and the State System of Higher Education Universities access to specialized course offerings and hands-on laboratory training within Penn State's \$25 million Nanofabrication Facility.

"This educational partnership opens new job opportunities to students and provides the Commonwealth with a uniquely skilled workforce to support existing industry and attract additional

high-tech companies to our region," said Robert McGrath, associate vice president for research.

Penn State's excellence in nanoscience research, which forms the basis of pioneering innovations in ultra-small electronic components and medical sensors, is nationally recognized. Last year Penn State was the only university in the nation to win three different nanoscale interdisciplinary research team NSF grants each in excess of \$1 million.

Killoren notes that in the fiscal 2000 rankings compiled by the National Science Foundation, the most recent rankings available, Penn State was 11th among all universities and eighth among public research universities in total research expenditures. The same analysis of all U.S. research universities ranked Penn State first in materials and metallurgical expenditures, third in psychology, third in engineering, fifth in chemistry and eighth in agricultural sciences.

The University's interdisciplinary materials and metallurgical research program includes engineers, chemists, physicists and materials scientists. Their research programs range from studies of the use of single molecules as computer components to developing porous materials that have potential for use in filters, lasers and as integral parts of the next generation of communication and network systems. With annual expenditures in excess of \$42 million this past year, the University's materials research community is, by far, the largest in the nation.

Third in expenditures in the nation, the University's psychology research program includes a study now in its ninth year designed to prevent conduct problems in adolescents by involving schools and parents working together to promote youth academic and social-emotional competencies. This theme is echoed in related programs in the Children, Youth and Families Consortium. The new Social Science Research Institute (SSRI) provides an administrative home for a study on marital instability over the life course that is one of the longest running national studies of marriage and the only study containing detailed information on marital quality and interaction.

A major new study of child well-being and family functioning, Welfare, Children and Families: A Three City Study, also is housed in SSRI as is the new Survey Research Center, formed

this year, which provides state-of-the-art survey services to support social science research.

Among other programs that experienced high percentage increases in fiscal 2001 is the Bus Testing and Research Center, the only bus-testing facility approved for federal bus-testing in the United States. By identifying serious design problems early, the program has averted both costly failures and safety hazards within bus fleets around the nation. Testing of the first 157 new bus models resulted in the diagnosis of more than 5,000 failures. Of these failures, 31 had the potential for serious accidents, possibly resulting in severe injury or death.

The University's Marine Corps Research University (MCRU) continues to grow rapidly. One of MCRU's activities is the Human Effects Advisory Panel which acts as an independent advisor to the Department of Defense and Department of Justice on the human effects of non-lethal weapons. Another major project, co-funded by the Army and the Marines under MCRU, is the Protective Technology Center that helps design buildings that can better withstand terrorist and other attacks.

NASA expenditures were up 78 percent at Penn State in fiscal 2001 to just over \$20 million. A team of Penn State researchers was selected to collaborate on building a satellite called the Swift Gamma Ray Burst Explorer. Scheduled to be launched in 2003, the satellite will consist of three coigned telescopes, designed to make images of the sky in gamma rays, X-rays and optical/ultraviolet light. Swift is expected to expand knowledge of the universe by discovering a new gamma ray source every day during its three-year mission.

According to a study released in 1998 by the American Association for the Advancement of Science, Pennsylvania is a national leader in attracting federal research and development funding, ranking ninth among the 50 states. More than half of the federal research funds coming into Pennsylvania goes to industrial firms but almost one third is brought in by the Commonwealth's colleges and universities — with Penn State among the leaders.

The National Science Foundation report on fiscal 2000 data can be seen at <http://www.nsf.gov/sbe/srs/srs02-0402/start.htm>.

Arts and Health Outreach Initiative launched on pilot basis

The Arts and Health Outreach Initiative, a three-year interdisciplinary partnership-based pilot devoted to demonstrating and documenting the interrelationships between the arts and health through exemplary outreach scholarship, has been established at the University.

The initiative is supported by four principal partners — the Colleges of Arts and Architecture, Health and Human Development, and Medicine, and Outreach and Cooperative Extension. The College of Arts and Architecture serves as the administrative home for the initiative.

An advisory board (see box at right) meets to provide strategic oversight for the initiative.

The initiative embraces a broad definition of health, including not only personal health and healing, but also holistic community life and well-being. This allows the group to create coalitions exploring applications of the arts to personal health and healing, as well as to critical public health issues such as violence and substance abuse prevention, empowerment of high-risk families and youth, universal design and accommodations for persons with disabilities, food system integrity and nutrition education, and rehumanization of community environments, among other issues.

Ermyn E. King has been appointed coordinator of the Arts and Health Outreach Initiative. King received the University's 2001 Barash Award for Human Service for her leadership in the creation and delivery of innovative arts education outreach programs



Ermyn King

in the College of Agricultural Sciences.

In her new position, King will catalyze the conceptualization, planning and development of outreach programs exploring the intersection between the arts and health. She will cultivate the development of partnerships with academic units that have expertise in the arts, health and health-related disciplines, and social/behavioral sciences, with other University units that focus on issues related to "quality of life," and with external entities supporting the mission. King will also seek external funding to support development and delivery of outreach programs and to secure permanency of the initiative.

For information, call King at (814) 865-8230 or e-mail erk103@psu.edu.

for diverse audiences in a variety of University and community settings. She graduated from Penn State as College of Education marshal and earned a master of arts in speech and dramatic arts-drama for the young at Eastern Michigan University. King joined the University in 1995 as interim alumni coordinator and writer/editor in the College of Health and Human Development.

From 1996 until 2001, she served as project associate in the Office of the Dean

Advisory board members

Arts and Health Outreach Initiative advisory board members are:

■ **Patricia A. Book**, associate vice president for Outreach and executive director, Division of Continuing Education

■ **Marilyn A. Corbin**, assistant director, Cooperative Extension, and state program leader for children, youth and families, Cooperative Extension and Outreach

■ **R. Kevin Grigsby**, vice dean for faculty and administrative affairs, College of Medicine

■ **Ermyn F. King**, coordinator, Arts and Health Outreach Initiative

■ **Donald W. Leslie**, associate dean for undergraduate studies and outreach, College of Arts and Architecture

■ **Wayne D. Smutz**, associate director, Division of Continuing Education, and senior director, Outreach Program Development

■ **Fred W. Vondracek**, associate dean for undergraduate education and outreach, College of Health and Human Development

Global data grid counts University among partners

By BARBARA KENNEDY
Eberly College of Science

A consortium of U.S. institutions, including Penn State, has been awarded a \$13.65-million grant to create the world's first truly global high-speed data grid for major scientific experiments in physics, astronomy, biology and engineering.

The project, known as the International Virtual Data Grid Laboratory (IVDGL), will seamlessly connect a high-speed worldwide network of powerful computers, initially at 40 locations in the United States, Europe, Australia, Asia and eventually in other regions of the world.

The National Science Foundation (NSF) is funding the U.S. component of the project, which involves 15 universities and four national laboratories. The NSF award is matched by \$2 million in university contributions. Partner institutions in other countries are investing more than \$20 million to build computational and storage sites as part of the international consortium.

Experiments performed on the grid are expected to influence the future of scientific investigation by providing transparent access to information in a wide range of disciplines, including high-energy and nuclear physics, gravitational-wave research, astronomy, astrophysics, Earth observations and bioinformatics. The network will provide the super-fast speeds required for highly complex and computationally intense areas of scientific research.

University scientists involved in the project include research teams working on two such projects, the Laser Interferometer Gravitational Wave Observatory (LIGO) and the Sloan Digital Sky Survey (SDSS).

"The idea behind the International Virtual Data Grid Laboratory is to make its computing power and worldwide collections of scientific data as easy to use as electricity," explained Lee Samuel Finn, associate professor of physics and astronomy and astrophysics and director of the Center for Gravitational Wave Physics. "Just as you can turn on a light without knowing the source of the electricity, scientists using the grid will be able to tell it to run a certain program on a certain data set without having to think about where the program is run or where the data are located. The grid will automatically and transparently find the computing resources that are needed to run the requested program and will locate the data that are needed, then bring all the pieces together, do the work and produce the results."

"Eventually, the computational speed of this grid could be measured in petaflops, where one petaflop equals 1,000 trillion calculations per second," said Paul Avery, the project's overall principal investigator and a

physics professor at the University of Florida. "The grid will be capable of handling quantities of data measured in petabytes, where one petabyte is 1 million gigabytes, or roughly the amount of data contained in 100,000 personal computer hard drives."

Finn is the principal investigator for a \$1.2-million component of the International Virtual Data Grid Laboratory project, which will create a national data-analysis center at the University, including a large "Tier 2" computer supercluster with the advanced Linux operating system. The University supercluster will be available via the International Virtual Data Grid Laboratory to researchers everywhere who are working on LIGO, a U.S. detector that next year is expected to begin collecting the world's first data from gravitational waves generated by the most violent and massive events in the universe, such as the collision of two black holes. The LIGO project is expected to open a new window to the universe by directly detected gravitational waves on Earth.

The Numerically Intensive Computing Group at the Center for Academic Computing will provide infrastructure support and grid expertise for the University supercluster.

Another large scientific project targeted to benefit from the International Virtual Data Grid Laboratory is the Sloan Digital Sky Survey, a large international effort that aims to create a comprehensive digital map of one-quarter of the sky and to measure the distances to a million galaxies and 100,000 quasars.

Along with the University, the U.S. educational institutions participating in the International Virtual Data Grid Laboratory are the University of Florida, the University of Chicago, California Institute of Technology, the University of California at San Diego, Indiana University, Boston University, the University of Wisconsin at Milwaukee, Johns Hopkins University, the University of Wisconsin at Madison, Northwestern University, the University of Southern California, the University of Texas at Brownsville, Hampton University and Salish Kootenai College. Participating U.S. national laboratories include Fermi National Laboratory, Brookhaven National Accelerator Laboratory, Argonne National Accelerator Laboratory, International partners include the U.K. e-Science Programme, the U.K. Particle Physics and Astrophysics Research Council, Italy's INFN institutes, the Australian Partnership for Advanced Computing, the Tokyo Institution of Technology, Tsukuba Advanced Computing Center, and the CERN laboratory in Switzerland.

Barbara Kennedy can be reached at bk1@psu.edu.

Opening soon



The unveiling of the Penn State All-Sports Museum is rapidly approaching, with an anticipated opening within the next several weeks or so. The museum is in the southwest corner of Beaver Stadium on the University Park campus. For more information, check the Web at <http://www.gopsports.com/Facilities/museum1.cfm>.

Photo: Greg Gifford

University Libraries establish archives for Sports Science, Sports Medicine

The University Archives is creating a Sports Science and Sports Medicine Archives at University Park that will reflect the prominent place that health care has always had in athlete training at Penn State.

Historically, a well-documented sports history collection has been maintained at the University. It includes the records of the American Academy of Physical Education and Kinesiology, the International Society of Biomechanics, the North American Society for Sport History, and both the American and Pennsylvania Academy of Physical Education, Recreation, and Dance. The University also is in a position to document the institution's response to the developments in the wider field, including the sports psychology records of Dorothy Harris and the research records of the Biomechanics Lab.

Other extensive collections under consideration include the performance of University teams and individual athletes, departmental and college records, papers of coaches and faculty, and records of nationally known professional and scholarly organizations that have selected Penn State for their archival records.

Highlighting the newly expanded mission of sports science and sports medicine, the University Archives is seeking additional materials from doctors, researchers, coaches, players and others to substantially build the collection.

For information on giving materials, call Jackie Esposito, University Archivist, at (814) 863-1793. For information about funding oral histories and other initiatives for this project, call Selden W. Smith at (814) 865-2258.



Partings

Art history professor had distinguished career

Helmut Hager, former head of the Department of Art History, Evan Pugh professor and Fellow of the Institute for the Arts and Humanistic Studies, retired with emeritus status in December after 30 years at the University.

Hager, who was named distinguished professor in 1990, joined the art history faculty in 1971 at the rank of professor. He became department head in 1972, holding that position until 1996.

Before coming to Penn State, Hager, a native of Berlin, conducted research in Italy and served as assistant to the director of the Bibliotheca Hertziana (Max Planck Institut) in Rome, where he advised visiting scholars and doctoral degree candidates. He also taught study abroad courses to art historians from Germany and was a visiting lecturer at Penn State in 1968.

Hager, whose research has focused on the career of Italian architect Carlo Fontana, has written six books and more than 50 articles and reviews, in addition to



Helmut Hager

serving as editor and contributing author for several other publications. He has lectured throughout the United States and Europe, evaluated research projects for the National Endowment for the Humanities, the Guggenheim Foundation and other institutions, and served as a consultant for several major exhibitions in Italy. In 1993, Hager was elected a member of the Accademia Nazionale di San Luca in Rome, which was founded in 1577.

The Department of Art History dedicated its 1989-90 lecture series to Hager and published volume VIII of the *Papers in Art History from Penn State* in his honor in 1992.

Hager, who holds degrees from Freie Universität in Berlin, Universität Cologne and Universität Bonn, will concentrate on his research during his retirement. He is currently completing a monograph on Carlo Fontana with London scholar Allan Braham.

Professor, author says farewell to Fayette

Evelyn Hovanec, associate professor of English and American studies, has retired with emeritus status from Penn State Fayette after 35 years.

Hovanec, who has been a full-time professor at Penn State Fayette since its inception, has written a variety of texts on the history of Fayette County, including her newest work, *Common Lives of Uncommon Strength: The Women of the Coal and Coke Era of Southwest Pennsylvania 1880-1970*. She also created and taught the curriculum for the campus' mining engineering programs. Later, this coursework would develop into the Coal and Coke Research Center.

Hovanec holds baccalaureate and master's degrees in social studies and English



Evelyn Hovanec

from Duquesne University. She taught in Pittsburgh's parochial and public schools before coming to Penn State Fayette.

Hovanec served on the University Senate and other committees, including the Tenure Review Committee, the University Pass-Fail Committee and the University Planning Advisory Committee.

Hovanec has received the Excellence in Service Award from both Penn State Fayette and Penn State McKeesport, as well as the Excellence in Teaching Award from Penn State Fayette, and the Penn State Faculty Award from Fayette campus minority student association.

In her retirement, Hovanec plans to take a trip to Alaska, or cruise along the Eastern shoreline.

Penn State Erie registrar announces retirement

Robert R. Schenker, senior registrar since 1979 at Penn State Erie, retired on Sept. 30 with 33 years of service to the University.

Schenker earned a bachelor's degree and master's degree in social studies education from Edinboro University of Pennsylvania. Before coming to Penn State Erie, he taught for five years in the Meadville and Fort LeBoeuf school districts. In 1968, he joined the McKeesport campus and became an area representative for continuing and distance

education at Penn State Erie in 1971.

During his tenure as registrar, enrollment at Penn State Erie increased from 1,700 students to 3,800 and the college went from offering eight majors to 29 majors and two master's degree programs. Schenker managed a staff that grew from two in 1979 to five at the time of his retirement.

In retirement, Schenker and his wife, Carolyn, plan to travel and do volunteer work in the community.

Professor of medicine ends distinguished career

Rodrigue Mortel has announced his retirement, marking 30 years at Milton S. Eisenhower Medical Center.

He has a long and accomplished history in medicine. Following graduation from the Medical School of Port-au-Prince, Haiti, Mortel spent one year in graduate study in Montreal before entering the United States in 1963. He trained at Hahnemann Medical College and Hospital in obstetrics and gynecology and later subspecialized in gynecologic oncology at Memorial Sloan-Kettering Cancer Center.

Mortel joined the College of Medicine in 1972, became a full professor in 1977 and was named chair, obstetrics and gynecology, in 1983. He held that position for nearly 13 years before his promotion in 1995 to associate dean and director of the Penn State Cancer Center.

After studying in the cancer research laboratories at the University of Paris, Mortel became a fellow of the Ligue Nationale Française Contre le Cancer, conducted extensive research in his laboratory at the University and delivered to the academic community a new method of treating women with cancer of the uterus.

In 1988, Mortel became one of six Robert Wood Johnson Health Policy Fellows selected by the Institute of Medicine of the National Academy of Sciences. He served for one year as a health aide to U.S. Rep. Sander Levin of the Health Subcommittee of the House Ways and Means Committee. He has been a member of the advisory board of the National Cancer Institute since 1979 and served as legislative watchdog for the Society of Gynecologic Oncologists while he led the society's effort in establishing a gynecologic oncology section within the National Cancer Institute.

Mortel has published one book, 135 articles and chapters in books as well as editorials in the *New York Times* and the *Washington Post*. He received the U.S. Public Health Service Award in 1970, the Horatio Alger Award in 1985 and the Faculty Scholar Medal from the University for outstanding achievement in the area of life and health sciences in 1988. He was president of the Memorial Sloan-Kettering Society of Gynecologic Oncologists in 1980, created and founding chairman of the Gynecologic Cancer Foundation and became in 1994 president of the American Society of Gynecologic Oncologists.

Parks, recreation expert had 32-year career

Monty L. Christiansen, associate professor of recreation and parks management in the College of Health and Human Development, retired Sept. 30 after 32 years of service to the University.

Christiansen has been actively involved in park planning and playground safety risk management for more than 30 years and is internationally recognized as one of the leading experts in playground safety. He is a certified leisure professional, a certified playground safety inspector, a certified pesticide applicator and a certified aquatic facility manager.

Christiansen serves as the National Recreation and Parks Association's official delegate to the American Society of Testing and Materials Public Playground Safety

Committee and is the U.S. delegate to the U.S./Canadian Standards Harmonization Board, which is preparing the first North American playground safety standards.

Christiansen was selected this past October as the first recipient of the Distinguished Fellow Award from the National Playground Safety Institute. He is a charter member and past chairman of the institute.

He is the author or editor of half a dozen books and the proceedings of two international conferences on playground safety, which he chaired. Christiansen also has received several professional awards.

Christiansen is past president of both the Pennsylvania Recreation and Park Society and the National Society for Park Resources.

Several have retired with emeritus ranking

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

Ronald P. Danner, professor emeritus of chemical engineering in College of Engineering, from July 1, 1967, to Sept. 30.

Winand K. Hock, professor emeritus of plant pathology in College of Agricultural Sciences, from Aug. 19, 1974, to Oct. 1.

Richard D. Twark, associate professor emeritus of quantitative business analysis in The Smell College of Business Administration, from Sept. 1, 1966, to July 3.

Beno Weiss, professor emeritus of Italian in College of the Liberal Arts, from Sept. 1, 1969, to July 3.

William A. Welsh Jr., director and associate professor emeritus of engineering at Penn State Harrisburg, from Sept. 1, 1971, to Sept. 1.

Richard H. Fox, professor emeritus of soil science in College of Agricultural Sciences, from Jan. 6, 1975, to Jan. 1.

George M. Greene, associate professor emeritus of pomology in College of Agricultural Sciences, from July 1, 1966, to Jan. 1.

Gospel artist's music preserved for posterity, thanks to intervention

By BILL CAMPBELL
Special to Intercom

It's not often that a recording artist launches a solo career at the age of 73.

But, thanks to the efforts of a Penn State Altoona speech communication professor, Isaac "Dickie" Freeman, called by some one of the most important and influential bass singers in 20th-century African-American vocal music, has done just that.

Jerry Zolten, assistant professor of speech communication, is the executive producer of Freeman's initial solo effort, "Beautiful Stars," which was released recently on the Nashville-based Dead Reckoning label. He describes it as "a significant piece of cultural history."

"In my specialty of communication, I view recordings like this as communication about culture," Zolten said. "This CD captures a music that grew out of hard times during the days of segregation and was hardly known back then outside the African-American community. It is seminal music and only now are many in mainstream America discovering it."

According to Zolten, who also wrote the liner notes for the CD, Freeman, who was born in Alabama, helped pioneer the tradition of gospel quartet singing in the African-American community. When the Fairfield Four, one of the most important a cappella gospel groups in the country, needed a replacement for their bass singer in 1948, they hired Freeman.

"When the Fairfield Four, which got its start in 1921, finally retired in 1950, they were one of the top groups in the field of African-American gospel," Zolten said. "Although the music was religious in nature, their sound influenced up-and-coming secular artists like B.B. King and countless Doo Wop vocal groups like the Spaniels, and later, the Temptations. When the Fairfield Four retired, Freeman went to work as a supervisor for the Nashville Water Treatment Plant and essentially stayed retired from professional singing for more than 30 years."

Zolten first heard the Fairfield Four at the 1983 National Folklife Festival in Washington, D.C., and spearheaded their return to commercial music. The group since has released three albums, one of which, "Wrecking the House Live at Mount Hope," Zolten produced. Since 1983, the Fairfield Four has been the recipient of a National Heritage Fellowship and in 1998 received a Grammy for Best Traditional Gospel Album.

While on the road with the group over the years, Zolten



Jerry Zolten, assistant professor of speech communication, shown in this file photo, holds an album by the Fairfield Four, an a cappella gospel quartet. Zolten is the executive producer of Fairfield Four singer Isaac "Dickie" Freeman's first solo effort, "Beautiful Stars." The CD helps preserve the tradition of African-American vocal music.

said he noticed a swell in the crowd the minute they first heard Freeman's voice.

"His remarkably low timbre and his ability to work a

melody when he took the lead really knocked me out," he said. "As I listened and learned, I came to realize that Mr. Freeman was one of the top bass vocalists in 20th-century African-American vocal group tradition, and that his voice needed to be recorded and preserved. He, on the other hand, was looking to leave a legacy."

"We both felt it was important to do an album of songs that either influenced him or were turning points or that he became known for over the course of his career. That is what we set out to do."

With Zolten accompanying on guitar, Freeman would pull up songs from his past and they would record them. Over a two-year period, they put together some 30 songs from which to pool. Zolten's producing partner, Keiran Kane, got The Blueblonds, one of Nashville's top session groups, to perform on the CD, which was recorded at two marathon sessions during the summer of 2000. Zolten also invited soulful vocalists, Ann McCrary and Regina Brown, daughters of the founder of the Fairfield Four, to do background vocals.

According to Zolten, the recording has gotten a good response thus far. Rock star Elvis Costello calls it "a wonderful showcase — deeply felt and inspirational singing ...". Rights to the CD have been sold to Universal Entertainment for re-release on its Lost Highway label.

Impetus for it also has come from Freeman's appearance in the film, "O Brother, Where Art Thou?" Freeman appears as a gravedigger at the end of the film and leads in a song of impending doom. In November, Freeman and the rest of the film's musical cast won a Country Music Association Award for Best Album of the Year.

"I think the CD does preserve his voice by recording him in a state-of-the-art fashion," Zolten said. "And, it also illustrates the fine line between gospel and blues music. Gospel actually is the root of the blues and this album speaks to that."

"There is a recitation at the end of the CD, called 'The Liar,' which Mr. Freeman learned as a child in Alabama. It is a real piece of folklore. I think the CD will help assure him as a name to be reckoned with in the legacy of African-American vocal music."

Zolten hopes to tour with Freeman and record a second album.

"Of the 30 songs we put together," he said, "we used 10 on the CD, plus one written especially for him by Garrison Keillor, so there is more material available. I hope to be able to preserve that as well."

Several faculty members receive Fulbright Scholarships to teach, conduct research abroad

As the Fulbright Scholar Program announces its scholars on ongoing basis, Penn State continues to send faculty members abroad to lecture or conduct research and welcomes visiting scholars who plan to conduct research at the University.

The following are Penn State faculty members who recently received Fulbright grants for teaching or research abroad.

■ **Lily Elefteriadou**, associate professor, Department of Civil Engineering, to both conduct research and lecture on traffic operational analysis methods in the United States, Netherlands and other European countries at the Technical University Delft, Delft, Netherlands.

■ **Christian Boyd Keller**, lecturer, Department of History, to lecture on a study of the American experience, with special emphasis on the role of German-Americans in the

19th Century and the Civil War at the University of Jena, Jena, Germany.

■ **Jorge A. Pullin**, professor, Department of Physics, to research physically acceptable dynamics of quantum general relativity at the University of the Republic, Montevideo, Uruguay.

The following are senior international scholars who received Fulbright grants for research at Penn State:

■ **Ion Vasile Dranca**, senior researcher, Laboratory of Ecological Chemistry, Institute of Chemistry, Academy of Sciences of Moldova, Chisinau, Moldova, to research the development of an approach to problems of thermal regeneration of activated carbons.

■ **Erik Sengers**, research assistant, Department of Practical Theology and Social Sciences, Catholic Theological University, Utrecht, Netherlands, to research national choice

and religious mobilization in Dutch Catholicism from 1800-2000.

■ **Torben Traanaes**, associate professor, Institute of Economics, University of Copenhagen, Copenhagen, Denmark, to research criminal behavior and the labor market.

This year, approximately 800 U.S. faculty and professionals received Fulbright grants to lecture or conduct research abroad. A similar number of visiting scholars received awards to come to the United States primarily as researchers. The Fulbright Scholar Program is sponsored by the U.S. Department of State, with additional funding from participating governments and host institutions. The Council for International Exchange of Scholars administers the program.

For more information, check the Web at <http://www.cies.org/>.

Focus on Research

World's smallest lizard lounges on a dime

By BARBARA KENNEDY
Eberly College of Science

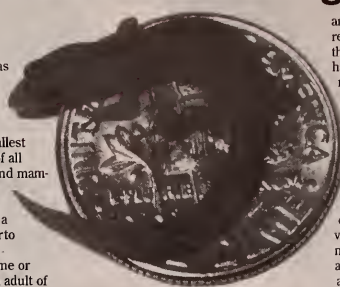
The world's smallest lizard has been discovered on a tiny Caribbean island off the coast of the Dominican Republic. The newly discovered species not only ranks as the smallest lizard, but it also is the smallest of all 23,000 species of reptiles, birds and mammals, according to Blair Hedges, an evolutionary biologist at the University, and Richard Thomas, a biologist at the University of Puerto Rico.

So small it can curl up on a dime or stretch out on a quarter, a typical adult of the species, whose scientific name is "Sphaerodactylus ariasae," is only about 16 millimeters long, or about three quarters of an inch, from the tip of the snout to the base of the tail. It shares the title of "smallest" with another lizard species named Sphaerodactylus pantherion, discovered in 1965 in the British Virgin Islands.

Hedges and Thomas discovered small groups of the new species living in a sink hole and a cave in a forest on the remote island of Beata, which is part of the Jaragua National Park in the Dominican Republic.

"Our discovery illustrates that we still don't know everything about the Earth's species, even in areas that are very close to the United States," Hedges said. "The island home of this tiny lizard is closer to Miami than Miami is to Puerto Rico, and we did not even know the species existed, although the area has been studied by biologists for several hundred years."

Hedges says the habitat that this species needs to survive is disappearing rapidly. "People are cutting down trees even within the national parks and, if they



Sphaerodactylus ariasae is about 16 millimeters long and lives in a cave in the Dominican Republic.

take the forest away, these lizards and other species will disappear."

Economic and law-enforcement difficulties are contributing to deforestation of the Caribbean forests, which are even more fragile and more threatened than those in the Amazon of South America because they are so small.

"In the Caribbean, forests that used to cover all of the land now typically cover less than 5 percent, and they are being cut down at an increasing rate, mainly for subsistence farming and fuel," Hedges said. "Although there are laws against cutting down trees in the national parks, the enforcement of the laws is not enough to protect the forests, for a variety of reasons."

Hedges and Thomas went to the remote Isla Beata specifically with the goal of discovering previously unknown species that might be living there.

The "smallest" and "largest" species of

animals tend to be found on islands, the researchers said, because species can evolve there over time to fill ecological niches in the habitat left vacant by other organisms that never reached the remote locations. If a species of spider is missing from an island, for example, the lizards there might evolve into a very small species to "fill" the missing spider's ecological niche. "Habitat destruction is the major threat to biodiversity throughout the world," said Hedges, who has studied Caribbean species for many years, and has long recognized it as a "hot spot" of threats to biodiversity. "The Caribbean is now widely recognized by conservationists and biologists as an ecological hot spot because it clearly is an area that has an unusually high percentage of endangered species that occur nowhere else in the world," Hedges said. "Most land species on Earth have evolved to live in forested regions, and now humans are destroying the forests, which is a big problem, especially on islands, where species have restricted ranges."

Hedges and Thomas named the new lizard in honor of Yvonne Arias, a champion of conservation efforts in the Dominican Republic. Arias is president of the organization known as Grupo Jaragua, a non-governmental organization set up specifically for preserving the biodiversity of the Jaragua National Park.

Hedges and Thomas have discovered and described more than 50 new species of amphibians and reptiles throughout the Caribbean. Hedges says this exploration and discovery is critical for protecting biodiversity.

This research was sponsored by the Biotech Surveys and Inventories program of the U. S. National Science Foundation.

Barbara Kennedy can be reached at science@psu.edu.

Fossil teeth show recent origin of growth pattern

The long period of development leading up to a modern human's adulthood arose relatively late in our evolutionary history, according to an analysis of growth patterns in fossil teeth, written by Christopher Dean of University College, London, and colleagues including Alan Walker, distinguished professor of anthropology and biology at the University.

"One of the things that sets modern humans apart from the living great apes is our long period of growth and development," Dean explained. "While humans take a good 18 to 20 years to grow up, other primate species like chimpanzees and gorillas take just 11 or 12 years."

"Dental development is a good measure of overall growth and development," said Walker, who was one of the first to use scanning electron microscope studies of fossil teeth. "Teeth grow in an incremental manner like trees or shells, preserving a record of their growth with daily marks along the prisms that make up the enamel."

By making thin sections of modern and fossil teeth, the researchers were able to count the daily incremental markings within the enamel of humans, apes, and fossil "hominin" species in the human lineage in order to calculate and compare their rates of enamel formation.

"Of the 13 fossil tooth fragments we studied — both those attributed to the earliest australopithecine hominins that lived roughly between 4 and 1 million years ago, and those of the earliest members of our own Homo genus that lived about 1.5 million years ago — none showed the slower pattern of modern human enamel growth," said Walker. "We found that the first dental evidence for a modern human-like growth period appears much more recently, in a Neanderthal fossil that lived about 120,000 years ago."

Researchers had expected that Homo erectus — the first fossil human ancestor to show a suite of modern human-like characteristics — would show evidence of a modern human-like growth period. However, because the brain in Homo erectus was still not as large as a modern human's and because a long growth period is linked with the time needed to grow and learn to use a large brain, these findings are compatible with predictions that could be made on the basis of brain size alone.

"It seems our prolonged period of growth and development may be a more recent evolutionary acquisition that arose in step with our comparatively recent development of a larger, modern, human-sized brain," Walker said.

Criminal justice system penalizes Hispanics, study says

The Pennsylvania criminal justice system deals with Hispanic defendants more harshly than either whites and blacks, both of drug-related and non-drug-related offenses, a researcher said.

Darrell Steffensmeier, professor of sociology and crime, law and justice, and Stephen Demuth, assistant professor of sociology at Bowling Green State University, studied Pennsylvania Commission on Sentencing figures for 14 counties which contain 89 percent of the state's Hispanic population and 93 percent of the black population.

In drug-related cases, Hispanics were 26 percent more likely to be incarcerated than white offenders, and blacks were 7 percent more likely. Hispanics received sentences on average about eight months longer than those sent to whites. As opposed to this, blacks were handed sentences only an average of three weeks longer than whites. The toughest sentences imposed on blacks and especially Hispanics

seem to result from the keen attention given by the media and law enforcement agencies to black and Hispanic drug-distribution networks, he said.

The American mainstream has a long history of prejudice against Hispanics, who have been often stereotyped as irresponsible and more prone to serious crime and recidivism, he noted. This in turn may color the attitudes of various court officials — police, prosecutors, probation officers and judges — in their processing of Hispanic defendants, causing them to view Hispanics as poorer risks for rehabilitation and a greater potential danger to the community.

The courts' treatment of Hispanics has important implications since they now constitute almost 12 percent of the population, and by 2005 they will replace blacks as the United States' largest "minority" group, Steffensmeier said.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial assistant/calendar

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Working together



State College Borough Police Officer Matthew Wilson, left, gets details on how a system created by students could cut down on the amount of paperwork he would have to do at the conclusion of his shift. Student Greg Hartzberg explains how the time-saver works.

Photos: Greg Gnecco

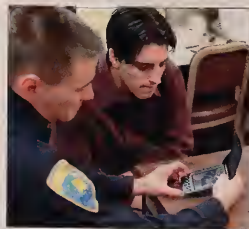
IST students help police glimpse the future

Students from the School of Information Sciences and Technology have given the State College Borough Police a glimpse of high-tech innovations that could make the job of law enforcement easier in the future.

"For students, this was a class project with real-world problems, learning to deal with customers and other issues," said Jan Mahar, co-instructor of IST 497, which deals with project management. "For the police, this was a chance to see potential tools that could save time and money, and improve accuracy and efficiency."

With financial support from Lockheed Martin, the students developed for police prototype applications for wireless personal digital assistants (PDAs). Under Mahar, assistant director of business solutions, and David Hall, associate dean for research and graduate programs, the 11 students in the class formed consulting teams that, with the help of Lt. Diane Conrad, carefully examined many of the issues that local police face on a day-to-day basis. The teams, named Captain Wireless, IST Consulting and SKV Solutions, then came forward with innovative ways to solve those issues.

SKV, for example, developed a system to help police locate a citizen in distress.



IST student Greg Hartzberg, right, gives Officer Matthew Wilson a run-through of the information management system he and fellow students developed for the State College Borough Police.

By consulting their PDAs, the police patrol responding to the emergency quickly could determine how to find a specific apartment complex, access a diagram of a specific building and identify fastest path to the victim.

Captain Wireless developed a way for police to generate citations on-scene using a hand-held extension that could read drivers' licenses that are swiped through it.

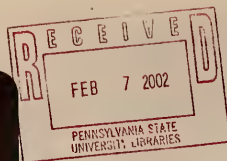
IST Consulting turned the PDAs into a data access-way that allows men and women on patrol to get hearing schedules, contact information and forms, such as those used for bicycle registration.

The three teams completed their prototypes by the end of fall semester, and then rode along on patrol to see how the systems operated under field conditions.

"We are pleased with their preliminary prototypes and think there could be potential worth pursuing further. The students were very enthusiastic and easy to work with," Conrad said.

IST junior Luis Valbuena, who was part of IST Consulting, said, "I don't think there is a better course available at Penn State than this one. Not only do you learn the concepts of how a project is executed, the software available to organize a project and the skills it takes to be successful in a project, but you also get a chance to put words into action."

According to Mahar, while the course was only one semester in length, at least one of the students has decided to continue the work as an independent study project in the spring. Additionally, she said, Lockheed Martin is examining the potential of the projects for additional development.



Intercom

INFORMING THE PENN STATE COMMUNITY

JANUARY 24, 2002

Crime busters: Fingerprinting system puts suspects' digits in state database

By BILL CAMPBELL
Special to Intercom

Book 'em Dano." That recurring line from a vintage television series has taken on new meaning at University Police headquarters in University Park where the Centre Region Booking Center is located. And, it's a far cry from your grandfather's crime-busting ink-and-pad fingerprint technique and Polaroid mug shots.

Using a state-of-the-art electronic fingerprint machine and a digital camera, area police officers are able to process arrested suspects quickly and — within minutes — determine if they have any previous criminal history.

"Fingerprints probably are the single best means of identifying a criminal," said Donald Reed, a 23-year veteran officer who has been in the forefront of applying new technology for use by University Police. "Most crimes are crimes of opportunity. Criminals are not terribly bright and most don't wear gloves. As a result, fingerprints are still very important in solving crimes."

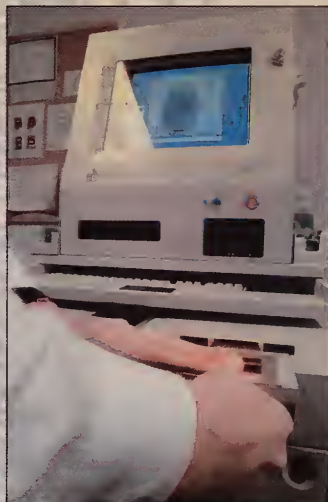
Thomas Harmon, director of University Police, said the electronic fingerprint system has greatly improved the ability of arresting officers to get a good set of prints.

"While the process is neater and cleaner for everyone," he said, "the major benefit is that, in a matter of minutes, you know if the person has been arrested or wanted in Pennsylvania — even if under a different name."

Fingerprints transmitted at the time of an arrest start the criminal history process in Pennsylvania. Under the old system, departments had to wait a month or so before the prints got into the system. Now, almost as soon as an arrest is made, fingerprints, which are part of a person's criminal history, are recorded with the Pennsylvania state police.

Here's how the process works:

Using a keyword on a personal computer, the arresting officer creates a record by inputting demographics on the person arrested, including name, nicknames, Social Security number and date of birth, and other personal identifiers. The officer can research through mug shots in the system to see if the person has been arrested previously. The system contains all persons booked by police or the Department of Corrections on



University Police Officer Don Reed places his thumb on an electronic fingerprint machine, and his print appears on the screen. This state-of-the-art machine, housed on campus, also is used by the State College, Ferguson and Patton township police departments.

Photo: Greg Grieco

any of the systems in the state. The mug shots also show tattoos and body marks.

"Police are solving more crimes on the basis of tattoos because they are so much more identifiable," Reed noted.

Fingerprints, page 2

Second state budget freeze hits University

A second freeze in the state appropriation was announced last week, meaning Penn State will lose more than a total of \$10 million in funds this year.

With state revenues likely to be \$600 million below forecast by the end of the fiscal year, another 2 percent freeze was announced last Friday by Gov. Mark Schweiker — on top of a 1 percent freeze announced by former Gov. Tom Ridge in November.

President Graham B. Spanier said the loss in funds will be difficult for the University and require even further belt-tightening, but will not signal a mid-year tuition increase nor will it result in a hiring freeze by the University.

"This will slow down our work, but I remain optimistic that Penn State will continue to serve students and the Commonwealth of Pennsylvania well," Spanier said. "A decade ago the Commonwealth cut our budget by an even larger amount during the middle of the fiscal year and yet,

Budget, page 3

Construction to alter parking deck access

A planned expansion to Nittany Parking Deck, adding 523 spaces, was scheduled to begin Monday morning, Jan. 21, with the demolition of the existing two-story section of the deck. Part of the ongoing University Park Master Plan, the construction will temporarily remove 301 spaces and change traffic patterns for entering and exiting the deck until at least spring semester 2003.

During the yearlong construction, access to the Nittany Parking Deck will be severely limited. From 7 a.m. to 4 p.m. Monday through Friday, only faculty and staff with Green B, Any Area and Floater permits will be able to park in the deck. Employees with other Penn State permits will not be allowed routine access to the deck.

For evening and night activities, all valid Penn State faculty, staff and student permits will be honored in the deck from 4 p.m. until 7:30 a.m. the next business day.

Parking, page 2



University Police Officer Don Reed checks the mug shot database, another electronic enhancement to the system. Together with the digital fingerprinting, this allows police to determine within minutes whether a person has been arrested in Pennsylvania — even under a different name.

Photo: Greg Grieco

Fingerprints

Continued from page 1

The second step involves digital mug shots. Using a mouse to control the camera, the officer takes a digital picture of the arrested person. The system then asks the operator questions about the quality of the pictures. The officer can then easily make changes if needed. Up to eight shots are taken on every booking.

Electronic fingerprints are produced in the final step using the "TenPrinter" equipment. The suspect's hand is placed on the glass screen. Using a foot pedal, the arresting officer starts the process to capture the digital fingerprint image. He or she can keep the print or repeat the sequence to get the best image. There is no ink involved.

A fingerprint card is produced on a laser printer locally and a copy of the prints is sent electronically to state police headquarters for a search through their database, the Automated Fingerprint Identification System. Currently, there are some 485,000 images in the database.

"All police departments in Pennsylvania submit fingerprints to the Pennsylvania state police and they, in turn, submit all of Pennsylvania's prints to the FBI," Reed said. "The electronic booking system has made a significant difference by enabling us to book suspects more efficiently and quickly than in the past. With the mug shot system, we can do a search and quickly create a lineup. Booking a suspect can be completed in less than 20 minutes. Obviously, the response time on a search has been reduced dramatically — from weeks to minutes."

The Pennsylvania Chiefs of Police Association has spearheaded the electronic booking initiative through the Pennsylvania Criminal History Improvement Project. Reed and Diane Conrad, of the State College Department, served on a statewide committee for the project. The booking center's newest equipment was purchased with federal matching funds. Penn State, State College, Ferguson and Patton townships shared local costs of approximately \$10,000.

The center, which was established in 1997, serves all area police departments. While the region's four largest departments — Penn State, State College, Ferguson Township and Patton Township — make an average of 1,600 arrests annually, much of the fingerprint work involves taking application prints for civilian purposes. There is no charge for this service.

"When the electronic booking equipment was purchased, it was to be located within one of the two largest departments — Penn State and State College," Harmon said. "We agreed to take on the responsibility here since we had more room for the equipment. It is a real benefit for us in that we're able to use the equipment to take thousands of fingerprints each year for students and others affiliated with the University who may need them for government employment, ROTC and teaching certificates."

Bill Campbell can be reached at wjc1@psu.edu.

Parking

Continued from page 1

A very limited number of Nittany Lion Inn guests will be allowed access to the Deck. Nittany Lion Inn visitors who cannot be accommodated in the Nittany Deck will be sold a permit and directed to Lot 44/Jordan East near The Bryce Jordan Center. These permits are available at any kiosk, the Penn State/Centre County Visitor Center on Porter Road and the Parking Office, 1 Eisenhower Parking Deck.

Attendees of conferences at The Nittany Lion Inn will be assigned to Lot 44/Jordan East. Visitors to areas other than the Nittany Lion Inn will be directed to Lot 44. Beginning at 5 p.m., the Nittany Parking Deck will be available for paid visitor parking until 7 a.m. the next business day.

Employees with Green B permits can use Red A Parking Lot on West Campus during the construction at the Nittany Parking Deck. They also will be honored in Yellow F at Eisenhower Parking Deck through spring semester. The Campus Link bus service is available to Red A.

Visitors, students and employees are urged to walk, or take the bus or the shuttle. See <http://www.transportation.psu.edu/> for bus shuttle schedule information.

The completion of the project is esti-

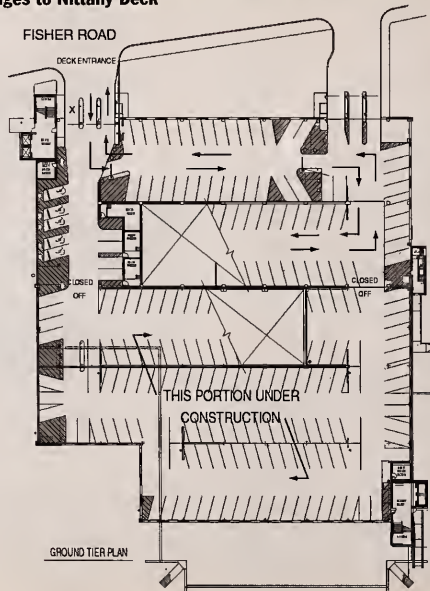
mated for early spring semester 2003. This project is the third such project based on the multi-year University Park Master Plan approved in 1998. Last summer, a level was added to the HUB Parking Deck to begin replacing lost parking spaces. In the fall, a surface parking lot was constructed on West Campus to address parking needs generated by implementation of the new Information Sciences and Technology building project.

The master plan replaces 95 percent of all parking spaces lost as new buildings come online, plus anticipated demand generated by the new buildings. Additionally, as a companion piece to the master plan, the University's Transportation Demand Management Plan emphasizes alternative transportation options such as buses, rideshare opportunities and bike paths.

Ultimately, the master plan's function is to emphasize a coordinated approach to the planning and land development that will ensure the preservation of the character, culture, tradition and beauty of the University Park campus.

Inquiries should be directed to the Parking Office at (814) 865-1436 or to a department's parking chairperson.

Changes to Nittany Deck



Graphic provided by the Department of Transportation Services

Get the scoop when bad weather strikes



When severe weather creates an emergency, University Park students and employees should tune to WPSU-FM, the University's public radio station, for the official update on activities on the campus. WPSU-FM — 91.5 in State College, Bellefonte, Lock Haven and surrounding areas; 90.1 in the northern counties — also is on the Web at <http://www.wpsu.psu.edu>. For a list of WPSU station frequencies, go to <http://www.wpsu.psu.edu/about.html>. The same official information also will be available at (814) 865-4000. Employees are reminded that in the event of accumulating snow, day or night and regardless of the amount, parking is prohibited in all faculty/staff surface lots at University Park from midnight to 7 a.m. when "Midnight Clear" is announced. This restriction is necessary to clear lots for plowing and scattering of anti-skid material.

Photo: Annemarie Mountz

BOOK SHELF

Ramaswamy Anantheshwaran, professor of food science.

Handbook of Microwave Technology for Food Applications, Marcell Dekker.

The book, co-edited by Anantheshwaran, offers a comprehensive overview of microwave heating of foods and consists of 13 chapters authored by experts from academia and in industry. It addresses physical aspects of microwave heating and absorption; the chemical and biological changes wrought by microwave heating; processing systems and instrumentation; food product and process development; microwaving safety; and microwaving at home and industry.

Bill Ellis, associate professor of English and American studies at Penn State Hazleton.

Aliens, Ghosts and Cunts: Legends We Live, published by University of Mississippi Press.

The book is a compilation of Ellis' research on contemporary folklore, and particularly on urban legends, which have been circulating since the days of

ancient Greeks and Romans but most actively collected and discussed in the last two decades. The new volume also examines the role of supernatural beliefs have adapted to a technological age, as well as the debate over "alien abductions."

James Levin, affiliate associate professor of education, director of the Academic Advising Center and senior Division of Undergraduate Studies programs coordinator for the Eberly College of Science.

Meteorology, published by McGraw-Hill Higher Education.

Levin is co-author of the second edition of *Meteorology*, a textbook for an introductory college-level class in meteorology. The book includes a student training CD-ROM which aids in understanding concepts, processes and skills. Co-authors of the book are **Eric W. Danielson**, Hartford College for Women, University of Hartford; and **Elliott Abrams**, AccuWeather Inc., State College. The first edition of *Meteorology* appeared in 1997.

Katie O'Toole, host and writer of the Penn State Public Broadcasting instructional series "What's in the News."

A Time for Heroes, published by Huckleberry Press.

Set in the early 1940s, *A Time for Heroes* explores how the attack on Pearl Harbor affects a young girl and the small Pennsylvania town where she lives.

Londa Schiebinger, Edwin E Sparks professor of history of science and codirector of the Science, Medicine and Technology in Culture Program.

Feminism in Twentieth-Century Science, Technology and Medicine, University of Chicago Press, 2001.

The book was edited by **Angela N.H. Creager**, associate professor in the Department of History and the Program in History of Science at Princeton University; **Elizabeth Lunbeck**, associate professor in the Department of History at Princeton University; and Schiebinger. The essays in this volume explore how feminist theory has had a direct impact on research in the biological and social sciences, in medicine

Budget

Continued from page 1

look at the amazing progress that we made during the 1990s."

"Penn State will rely on the academic colleges and other budgetary units to decide how they will reallocate funds to best manage this additional cut," he said. Hiring for some positions will likely be delayed. There will be less travel, and some purchases will undoubtedly be postponed to manage the shortfall.

University officials anticipated an additional freeze was likely, given the shortfall in projections for state revenue for this year.

Pennsylvania isn't the only state with mid-year cuts, with a number of other states making similar or even larger cuts in funding to their public institutions in recent months. At the start of the fiscal year, Penn State was slated to receive \$334.8 million from the Commonwealth, but is now likely to receive closer to \$324.8 million.

Other state-related universities and state programs also were targeted with the latest budget freeze.

President Spanier and other University officials are scheduled to go to Harrisburg in February to make the case for next year's budget.

The Commonwealth had increased Penn State's budget by just \$2.8 million when the fiscal year began on July 1, leaving tuition to cover the bulk of increased University costs. The additional cuts from the state will continue to put pressure on student tuition costs.

and in technology, often providing the impetus for fundamentally changing the theoretical underpinnings and practices of such research.

Hubert "Skip" Smith, associate professor emeritus of aerospace engineering.

Understanding Performance Flight Testing, McGraw-Hill.

The textbook offers pilots a comprehensive manual on testing aircraft performance. It teaches pilots how to get accurate data on home-built, kit plane or production aircraft using uncomplicated methods. The book includes chapters focusing on atmospheric effects, general test flight procedures, airspeed calibration, stall speed, takeoff performance, climb performance, cruise performance, descent and landing performance, computer methods and evaluating modification effects. The book also includes pre-worked math and engineering formulas for readers to plug in numbers and a personal computer-compatible disk that can generate accurate data on airspeed, takeoff, drag, stall speed, endurance, range, glide distance and power.



Lectures

Chuck D goes from Public Enemy to public speaker

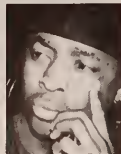
Chuck D, leader and co-founder of rap group Public Enemy, will speak as part of the Distinguished Speaker's Series at 8 p.m. Tuesday, Jan. 29, in Eisenhower Auditorium on the University Park campus.

Chuck D helped define rap music with his ability to rap about issues of race, rage and inequality. A producer, author and lecturer, he is influential as

a force in the alternative production, distribution and promotion of hip-hop, and has long been one of the industry's most outspoken proponents of MP3 music.

The event is free to the public, but tickets are required. Tickets may be available the night of the speech.

For information, call (814) 863-3786.



Chuck D

Director to explore myth, reality of Paul Robeson

Lawrence Young, director of the Paul Robeson Cultural Center, will present "Paul Robeson, the Man, the Myth and the Cultural Center at Penn State" from 4 to 6 p.m. Friday, Feb. 1, in the Foster Auditorium, 101 Pattee Library, on the University Park campus.

Young's discussion is part of the Social Science Library's First Friday series,

intended to bring together researchers and others interested in social sciences research.

The lectures are free to the public. For a schedule of upcoming speakers in the series, visit <http://www.libraries.psu.edu/pubinfo/events.html>. For information, call (814) 865-4861.

Speaker set for Comparative Literature series

The Comparative Literature Luncheon, a weekly informal lunchtime gathering of students, faculty and other members of the University community, has announced the next speaker in this semester's series.

Cary Fraser, assistant professor in the Department of African and African-American Studies, will discuss "Forging a Diasporic Sensibility: The Caribbean as a Site of Alternative Identity."

The event begins with lunch from 12:15 to 12:40 p.m. Jan. 28 in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy something in Kern Cafeteria. Coffee and tea are provided. The speaker will begin at about 12:40 p.m. The event is free to the public.

For information, e-mail Daniel Walden at dxw8@psu.edu.

Veteran, screenwriter is next Forum speaker

James Webb, former secretary of the Navy and award-winning journalist, will deliver the Penn State Forum lecture at noon Friday, Feb. 8, at The Nittany Lion Inn on the University Park campus.

His topic is "Reflections on Asia, U.S. National Security and The Literary Life."

The Penn State Forum is a lunchtime speaker series offered by the Faculty Staff Club and is sponsored in part by the Penn State Book-



James Webb

store. It is open to the public. Tickets are \$10 for members and \$12 for non-members and include lunch. Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center. Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. followed by the speech and a question-and-answer session at noon. For information, call

(814) 865-7590.

Talk will illuminate postwar German culture

Ulrike Weckel, assistant professor at the Center for Interdisciplinary Studies on Women and Gender at Technische Universität in Berlin, will discuss "Converted Collaborators: Staudte's Postwar Films and the German Public" at 4 p.m. Friday, Feb. 1, in 102 Weaver Building on the University Park campus.

This year, Weckel is a visiting assistant professor in the Department of History at the University of Michigan.

In her presentation, she will use film, opera, literature, television, radio and the visual arts to illustrate the restructuring of German consciousness and culture in the postwar period.

Professional development conference planned

Outreach and Cooperative Extension will hold the 2002 Outreach Professional Development Conference on Feb. 11 and 12 at The Penn State Conference Center Hotel on the University Park campus.

The conference provides Outreach and Cooperative Extension employees the opportunity to meet and network with colleagues from across the commonwealth.

Participants will have the opportunity to learn about new and successful programs and practices, participate in sessions designed to enhance understanding and skills, and learn from peers and benefit from the University's many educational resources.

To register, go to <http://www.outreach.psu.edu/outreach2002> on the Web.

IBM innovator to address global business outlook

David Partridge of IBM's e-Business Innovation Institute will speak at 11 a.m. Friday, Feb. 1, in the Assembly Room at The Nittany Lion Inn on the University Park campus.

The free presentation kicks off the e-Business Research Center's Spring 2002 Distinguished Speaker Series on e-Business.

Partridge will address the global busi-

ness outlook in the context of the "next-generation" networked environment. Partridge is responsible for the Intellectual Capital Development Group within IBM's e-Business Innovation Institute. He is responsible for developing industry-specific viewpoints regarding the evolution of e-business.

For information concerning the speaker series, visit <http://www.ebrc.psu.edu/events/speakerSeries/index.html>.

'Lean on Me' principal to share his successes

Joe Clark, the controversial former principal of New Jersey's Eastside High School, will share his strategies and success stories at 1:30 p.m. Wednesday, Feb. 27, in the Atrium at Penn State Lehigh Valley, and at 7:30 p.m. in the Perkins Student Center Theatre at Penn State Berks.

Now serving as director of Essex County Detention, Clark used his hard-hitting

tactics to rehabilitate criminal youth and stressed his belief that pride in self and school must be reinforced. Clark was the subject of the movie, "Lean On Me."

The events are free to the public.

For information, call Brian Mauro, Lehigh Valley campus, at (610) 285-5021, or Doreen Fisher, Berks campus, at (610) 396-6068.

Conference on Organizational Development set

The Practicing Cutting-Edge Organizational Development Conference, an outreach service of the College of Education, will be held April 3 to 6 at The Nittany Lion Inn on the University Park campus.

Conference participants will have the opportunity to learn from and interact and network with experts on the latest thinking in the organizational development field. Presenters include Paris Glendening, Kris-

tine Quade, William J. Rothwell, Edie Seashore, Roland Sullivan and others.

The event will act as a forum for addressing the latest ideas in organizational development — a field that focuses on various aspects of organizational life, including culture, values, systems and behavior.

For information about program content, call William J. Rothwell at (814) 863-2581 or e-mail wjr9@psu.edu.

Soil scientist will examine soil survey issues

Timothy Craul will speak about "Joining Two Adjacent Soil Survey Areas" from 3:35 to 4:25 p.m. Jan. 25 in 101 Agricultural Sciences and Industries Building on the University Park campus.

Craul is a U.S. Department of Agricul-

ture Natural Resource Conservation Service soil scientist at the Pennsylvania Map Compilation and Digitizing Center.

The Department of Crop and Soil Sciences is the host for the event. For information, call (814) 863-1601.

Effects of global warming to be explored

William Easterling, professor of geography and director of the Environmental Consortium at Penn State, will discuss "Will Global Warming Let Us Feed 10 Billion People Without Trashing the Planet?" at 11 a.m. Jan. 26 in 101 Thomas Building on the University Park campus.

Easterling's lecture is the second in the 2002 Penn State Lectures on the Frontiers of Science. The theme is "Planet Earth: Our Role in Its Health."

Easterling will discuss whether we will be able to provide enough food for the lifetime of our next two generations, during which Earth's human population is likely to more than double while our climate also will be changing rapidly.

The lectures are free to the public.

For information, call (814) 863-8453, e-mail science@psu.edu or check the Web at <http://www.science.psu.edu/alert/frontiers/FrontiersIndex.html>.



Private Giving

Richard King Mellon Foundation gives \$3 million

The Richard King Mellon Foundation of Pittsburgh has made a leadership gift of \$3 million to help construct a new home for The Smear College of Business Administration on the University Park campus. The new building will contain classrooms, labs, specialized learning areas, program spaces, and faculty and leadership offices.

The University's five-year capital improvement plan calls for a \$60 million Business Building, financed by \$35 million in University funds and \$25 million in private support. Completion is scheduled by the fall of 2005.

Previous beneficiaries of Richard King Mellon Foundation gifts to Penn State include the Paterno Library building fund, and programs in sports medicine, engineering, animal science, and forest and natural resource conservation. Judy Olian, dean of The Smear College of Business Administration, noted that the new building will greatly advance the college's aspirations to rank in the top tier of the nation's best business schools.

According to Olian, undergraduate classes for business students currently are spread across a half-dozen campus build-

ings, and the existing Business Administration Building will have difficulty keeping pace with rapid developments in technology as they affect business. Among the features planned for the new Business Building are classrooms, specialized instructional studios, research laboratories, team study rooms, faculty and graduate student offices, an auditorium, interview rooms, executive space for visiting experts and administrative offices.

At an estimated 210,000 square feet, the Business Building is projected to be the largest academic building on the University Park campus and part of one of the largest business school complexes in the nation.

Richard King Mellon (1899-1970), banker and conservationist, established the foundation in 1947. Today, the Richard King Mellon Foundation ranks among the largest independent foundations in the United States. It has supported programs in economic development, education, human services, medicine, youth and child development, and land and wildlife conservation, and has taken special interest in activities that improve the quality of life in southwestern Pennsylvania.

Gift supports ethics program in engineering

A \$250,000 gift commitment from Charles E. "Chick" and Joan F. Rolling of Helena, Mont., will benefit programs in the Colleges of Engineering and the Liberal Arts.

Chick Rolling is a 1960 University graduate in aerospace engineering.

The Charles E. "Chick" and Joan F. Rolling Program Fund in Engineering and Ethics will support programs such as seminars and interactive workshops designed to address ethical issues related to the practice of engineering.

The planned programs and seminars will be administered through the College of Engineering's Leonhard Center for the Enhancement of Engineering Education and the College of the Liberal Arts' Rock Ethics Institute.

The two already have started collaborating on three major projects. First, a series of summer workshops slated for 2002, "Teaching Engineering Ethics," will provide tools and curricular development support for engineering faculty to incorporate ethical analysis as a regular part of the engineering curriculum.

Second, the Leonhard Center and Rock

Ethics Institute are collaborating on a community-built sustainable housing initiative. The initiative includes an interdisciplinary service-learning course that will bring together engineering students and Schreyer Honors College students to explore how sustainable building methods, including strawbale construction, can be used to improve poor living conditions on American Indian reservations.

The course will teach students about design and construction issues of strawbale buildings in the context of the physical and cultural environment in which the construction is taking place. The class also will explore ethical issues involved in cross-cultural interaction and compare the ethical views of the Northern Cheyenne and Europeans. Students involved in the project will spend two weeks on location in Montana to help build a strawbale structure.

Finally, the Rock Ethics Institute will hold its inaugural symposium, "Ethics," March 14 to 16 at The Nittany Lion Inn. The conference will discuss issues including stem cell research and bioengineering, social equality, research integrity and ethics in animal science.

AWARDS

Biology professor presented with a student-alumni teaching award

Charles Fisher, professor of biology, has been selected as the winner of the C.I. Noll Award for Excellence in Teaching.

Sponsored by the Eberly College of Science Student Council and Alumni Society, the award represents the highest honor for undergraduate teaching in the college. The winner is chosen by a committee of students and faculty from nominees suggested by students, faculty and alumni. The award includes a monetary grant and the inscription of recipient's name on a plaque.

Fisher has taught a broad range of biology and ecology courses at the University since he joined the faculty in 1990. In addition to his classroom work, Fisher also offers students the opportunity to be members of his research team. Approximately 54 undergraduate students have worked in Fisher's laboratory in the past five years, and every undergraduate student who has been a co-author on one of his research papers has gone on to



Charles Fisher

either medical school or graduate school.

Fisher's research interests include the ecology of hydrothermal-vent and cold-seep organisms living on the ocean floor, including the wide range of symbiotic and chemical processes on which their life depends.

Fisher also participates in the Research and Education: Volcanoes, Exploration and Life program designed to provide research experiences for middle-school and high-school teachers. In addition, he serves as assistant department head for graduate education in the Department of Biology.

Fisher joined the University faculty in 1990 as an assistant professor and was named associate professor in 1995 and professor in 1999. He earned his doctoral degree in biological sciences at the University of California at Santa Barbara in 1985 and his bachelor's degree in biology at Michigan State University in 1976.

University wins environmental excellence award

The Office of Physical Plant, Housing and Food Services, and the College of Agricultural Sciences jointly were recognized recently with the Governor's Award for Environmental Excellence coordinated by the Pennsylvania Department of Environmental Protection for their innovative processing of organic materials.

The Organic Materials Processing and Education Center, a collaborative project among all the units, processes dining hall food waste into compost, which ends up as high-quality flower bed mulch all over the University Park campus.

The Organic Materials Processing and Education Center grew from a small pilot project in one dining common to a campus-wide program that now services seven dining commons, three hospitality service

units and the Bennett Family Center. Food wastes and landscape debris collected from campus are mixed with manure from the University's dairy herd to create compost which is used for landscaping, turf maintenance and research projects.

During the past academic year, the center collected 340 tons of food scraps and 173 tons of leaves, which saved the University \$16,631 in additional landfill disposal costs. Also, there is the additional benefit of free mulch. The composting center also enhances the University's teaching, research and educational outreach efforts by providing students, faculty and others the opportunity to learn about source separation, waste management and backyard composting. The project is helping the University meet the state's goal of recycling 35 percent of its waste by 2003.

3 honored at Pennsylvania College of Technology

The School of Business and Computer Technologies at Pennsylvania College of Technology presented two teaching awards recently and honored a faculty member who retired after 36 years of service to the school and college.

Elizabeth A. Dahlgren, assistant professor of business administration, received the Distinctive Teaching Award. The award recognizes the faculty member in the School of Business and Computer Technologies who best exemplifies the attributes consistent with quality instruction.

Steven J. Moff, assistant professor of business administration/marketing, received the Distinctive Service and Professionalism Award, which recognizes the faculty member in the School of Business and Computer Technologies who best exemplifies the attributes consistent with quality service to the college, community and/or profession.

The school also celebrated the service of Alex Bailey, professor of business administration, who retired in December following 36 years of teaching.



From the Trustee Docket

Research expenditures reach record high

The University moved up from 14th to 11th place in the rankings for research expenditures among all institutions in the United States, according to a report given by President Graham B. Spanier to the Board of Trustees on Jan. 18.

"Such a large jump is quite impressive, because it is very difficult to move up even one spot in these rankings," he said. "In 2001, total research expenditures climbed to \$472 million, up from a previous record high of \$440 million last year. We have seen a remarkable 33.7 percent increase in research expenditures in the past five years."

Spanier said the University's success in research has helped establish its academic reputation nationally.

For Spanier's complete remarks to the board, visit <http://www.psu.edu/ur/2002/bot18jan02presremarks.html>.

Service leadership/learning a University priority

Student life at Penn State consists of more than going to class, studying and taking tests. Student groups, together with individual student volunteers, make the most of their University experience by contributing nearly 180,000 hours of local service each academic year.

"Leadership development and community service are essential in the development of socially conscious leaders and responsible citizens, and a necessary part of a student's education at Penn State," Carol Gerdman, director of the AT&T Center for Service Leadership, told the Board of Trustees Jan. 18. The AT&T Center for Service Leadership provides out-of-class opportunities in leadership development and volunteer activities for students, and offers educational programs and guided experiences.

For the full story by Amy Neil, visit <http://www.psu.edu/ur/2002/bot18jan02service.html>.

University adapts to trends in teaching and learning

Teaching and learning — driven by information technology, a strong trend toward active and collaborative learning, and other factors — are rapidly changing at Penn State and some other universities. Students today learn faster, have many different learning styles and expect more from the institutions they are attending.

"Today, and even more tomorrow, students will have an information-seeking mindset and the technology skills to apply it. Thus, active learning, research and experiential learning will become even



This is a computer-generated image of the proposed Eastview Terrace housing complex. The image looks across a large open green space/quadrant toward the complex's signature building and its large arched portal that is open to pedestrian movement at the ground level. The signature building is located atop a prominent outdoor staircase that leads up from College Avenue. See the related story on this page.

more important," said John Cahir, vice provost and dean for undergraduate education in an informational report to the Board of Trustees Jan. 18 on trends in teaching and learning. Cahir presented data collected in a random survey of 49 research universities that show Penn State students are writing more and using electronic media in relation to class work at significantly higher levels than most universities. More than 5,000 Penn State students participated in research or capstone projects last year.

For the full story by Allison Kessler, visit <http://www.psu.edu/ur/2002/bot18jan02cahir.html>.

New undergraduate housing, other projects gain approval

Preliminary plans for the first new undergraduate student housing to be constructed at University Park campus since 1986 were unveiled for approval by the Board of Trustees Jan. 18.

In other Office of Physical Plant matters, the trustees also approved final plans for an addition to a building at Penn State Berks, preliminary plans for a new library/auditorium at Penn State York and a property purchase at Penn State Mont Alto.

For the full story by Gary Cramer, visit <http://www.psu.edu/ur/2002/bot18jan02roundup.html>.

Trustees pass resolution honoring Eberly family

The Board of Trustees on Jan. 18 approved a resolution honoring the Eberly family of Uniontown for its generosity to the University and to higher education generally. A recent \$6.9 million gift from the Eberly Foundation to help build a community center at the Penn State Fayette campus distinguishes the Eberly family as Penn State's most generous living benefactors.

In the resolution, the trustees express their "deepest appreciation and most sincere gratitude to Robert E. Eberly, members of his family, his wife, Elouise, and his dedicated foundation staff members, for their unsurpassed voluntary and philanthropic commitment to Penn State that spans over five decades and creates an enormous legacy which will serve future generations forever."

For the full story by Mike Bezilla, visit <http://www.psu.edu/ur/2002/bot18jan02eberly.html>.

Trustees re-elect Hintz, Baldwin to serve board

Edward R. Hintz Jr., president of the New York-based private money management firm Hintz, Holman and Hecksher Inc., and Cynthia Baldwin, judge in the Allegheny County Court of Common Pleas, were re-elected chairman and vice chairman, respectively, of Penn State's Board of Trustees Jan. 18.

For the full story by Tysen Kendig, visit <http://www.psu.edu/ur/2002/bot18jan02officers.html>.

Board sets May 9 for delegate elections

The Penn State Board of Trustees approved Thursday, May 9, as the date for the delegate election of trustees and for counting the ballots in the alumni election. Six trustees are elected by delegates from organized agricultural societies within the Commonwealth. Six additional trustees are elected by delegates from organized engineering, mining, manufacturing and mechanical societies — referred to as the industrial societies — in Pennsylvania.

For information, visit <http://www.psu.edu/ur/2002/bot18jan02election.html>.



University Park Calendar

January 25 - February 3

SPECIAL EVENTS

Friday, January 25

"Odevion to Oiversity," gallery talk, Joyce Robinson, noon, Palmer Museum of Art.

MUSIC

Friday, January 25

Graduate student recital, Amhara Buxton-Kutch, conductor, 8 p.m., Recital Hall, Music I.

Saturday, January 26

Student recital, Winn Robertson, horn, 5 p.m., Recital Hall, Music I.

Student recital, Lisa Hooper, cello, 8 p.m., Recital Hall, Music I.

Thursday, January 31

The Penn State Trombone Choir, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

Friday, February 1

"The Merry Widow," London City Opera's production, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255. Janet Jackson, 8 p.m., The Bryce Jordan Center. For tickets, call (814) 865-5555.

SEMINARS

Friday, January 25

Timothy Craul on "Joining Two Adjacent Soil Survey Areas," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Tom Kurtz on "The Growing Pains of a Suburban Township," 4 p.m., 301 Steidle.

Saturday, January 26

William Easterling on "Will Global Warming Let Us Feed 10 Billion People Without Trashing the Planet?" 11 a.m. to 12:30 p.m., 101 Thomas.

Monday, January 28

Mark Maroncelli on "Supercritical Solvents, A Solute's Perspective," 12:15 p.m., S5 Osmond Laboratory.

Cary Fraser on "Forging a Diasporic Sensibility: The Caribbean as a Site of Alternative Identity," 12:40 p.m., 102 Kern.

Tuesday, January 29

Johnny Vogels on "Experimental Observation of the Bose-Einstein Transformation for a Bose-Einstein Condensed Gas," 3:30 p.m., 339 Davey Laboratory.

Craig Zabel on "Vertical and Horizontal Unit - Russian Architecture," 7:30 p.m., 101 Engineering Unit 0.

Chuck O, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-3786.



Marvin Hamlisch, award-winning composer, conductor and pianist, will tickle the ivories at 8 p.m. Friday, March 1, at The Bryce Jordan Center on the University Park campus. For additional information, see page 8.

Wednesday, January 30

Elizabeth Braungart on "Behavior Problems in Dementia: Stability of Daily Reports Over Three Months" and Owayne Brandon on "Individual Differences in Blood Pressure and Well-Being in African Americans," noon to 1 p.m., 108 Wartik Laboratory.

Thursday, January 31

Jim Marden on "Molecules, Muscles and Machines: Universal Performance Characteristics of Motors," 4 p.m., 117 Osmond Laboratory.

Friday, February 1

David Partridge will address the global business outlook in the context of the "next-generation," 11 a.m., Assembly Room, The Mitty Inn.

Susan Kristopherson on "Can 'Walmartization' Be Stopped? Barriers to Global Retailing," 4 p.m., 301 Steidle.

Lawrence W. Young on "Paul Robeson: The Man, the Myths and the Cultural Center at Penn State," 4 to 6 p.m., 101 Pattee Library.

Ulrike Weckel on "Convergent Collaborators: Wolfgang Staudte's Postwar Films and the German Public," 4 p.m., 102 Weaver.

Saturday, February 2

Eric Post on "Mammoth, Moose and How Animals Might Influence Earth's Response to Climate Change," 11 a.m. to 12:30 p.m., 101 Thomas.

EXHIBITS

Palmer Museum of Art

"American Pastorate: Drawings by John F. Kensett," through Feb. 3.

"Sam Gilliam: Recent Prints," through May 26.

Digital work by John Paul Caponigro, through June 2.

"Devotion and Overy: South Asian Sculpture from the Philadelphia Museum of Art," through fall 2004.

"The Geldzahler Portfolio," through Feb. 10.

Pattee and Paterno Library exhibit areas

"Celebrating Martin Luther King Jr. and Black History Month," exhibit featuring 18 posters, through March 4.

"When Two or More are Gathered Together: Groups and Composite Images from the B. and H. Henisch Photo-History Collection," through March 30.

"John Biggers," Charles L. Blockson, "Paul Robeson" and "Sketches from Todd: A Study Abroad Experience," through March 13.

Zoller gallery

"Things About Things," by Kaersten Colvin-Woodruff, through Jan. 27.

Installation by Japanese artist Wantanabe Koichi, Feb. 1 through 14.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calender/>. For a detailed listing of upcoming conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Faculty Senate agenda items include proposed change to have retired faculty serve

The University Faculty Senate will meet at 1:30 p.m. Tuesday, Jan. 29, in 112 Kern Graduate Building, University Park. Items to be discussed include:

- Committees and Rules - legislative report: proposed change to the Senate Constitution to have the retired faculty of the University be represented by two elected retired faculty Senators who will serve on the Senate Faculty Affairs and Faculty Benefits Committees;

- Admissions, records, scheduling and student aid - informational report: change of campus location to University Park; overview of enrollment trends at the campus colleges; new baccalaureate degree offerings at campuses;

- Faculty affairs - informational report: best practices for the recruitment and retention of female and minority faculty; summary of faculty by gender and rank and other demographic data and strategies for conducting effective searches; and climate improvement for retention and administrative accountability will be emphasized;

- Libraries - informational report: trends in the University Libraries; budget allocations; and information on electronic resource expenditures, endowments, service trends, staffing changes and the movement of research libraries to new models of information delivery are among the topics to be covered;

- Outreach activities - informational

report: update of the status of the World Campus; overview of the growth of the World Campus, including new program/course development, considerations for faculty workload, new budget models and collaboration with campus colleges;

- Senate Council - University Faculty Census Report 2002/2003, for the purpose of election of Senators;

- Senate Council - informational report on fall 2001 campus visits: report on the Senate officers' fall 2001 visits to 10 campuses identifying themes and areas of concern for the campuses visited; and

- University Planning - informational report: update on classroom conditions and presentation by the Office of Physical Plant

on maintenance, repair and updating of general-purpose classrooms;

Members of the University community may attend. Any member of the University community who is not a member of the Senate may request the privilege of the floor on any item of business already before the Senate. Such a request must be made to the chair, through the executive secretary of the Senate, at least four calendar days before the meeting at which the individual wishes to speak.

For information on how to submit major, minor, optional or course proposals, the "Guide to Curricular Procedures" is now available on the Web from the Faculty Senate home page at <http://www.psu.edu/ufs/>.



Arts & Entertainment

Multiple exhibits at Zoller

"Things About Things," currently on display at Zoller Gallery on the University Park campus, features the works of Kaersten Colvin-Woodruff, assistant professor of fine art at Clarion University; Robert Racza, associate professor of art at Allegheny College; and Owen Smith, associate professor of art history at the University of Maine.

The works, exhibited through Jan. 27, present the fused relationship between aesthetic and concept art.

Upcoming gallery exhibits include an installation by visiting Japanese artist Wantanabe Koichi, from Feb. 1 to 14; and an Undergraduate Juried Exhibition featuring the work of selected students who took art courses during the 2001-2002 academic year, which will be open Feb. 20 through March 12.

For information, visit <http://www.sva.psu.edu/zoller/>.

'Merry Widow' to waltz in

The London City Opera's production of "The Merry Widow" will be presented at 8 p.m. Friday, Feb. 1, at Eisenhower Auditorium on the University Park campus.

The opera, brimming with intrigue, political chicanery and romance, evokes the spirit of Paris at the turn of the 20th century.

Tickets are \$39 and \$29 for general audience members; \$34 and \$26 for students; \$24 and \$16 for University Park students; and \$12 and \$8 for children 12 and younger.

Artistic Viewpoints is offered in the Eisenhower Auditorium Conference Room one hour before the performance and is free for ticket-holders.

For tickets and information, call (814) 863-0255 or (800) ARTS-TIX or visit <http://www.epa.psu.edu>.

Piano concert

Classical pianist/composer Richard Kastle will perform at 7:30 p.m. Monday, Feb. 4, in the Quiet Lounge of the Study Learning Center at Penn State Worthington Scranton.

The event is free to the public.

For more information, call (570) 963-2700.

Topography inspires paintings

Koichi Watanabe, associate professor of art at Fukushima University in Japan and visiting artist and scholar at the University, will present an exhibition of his paintings, "On an Earth," Jan. 28 through Feb. 14 in Zoller Gallery on the University Park campus.

The exhibition features works inspired by North American topography viewed from 37,000 feet.

For information, visit <http://www.sva.psu.edu/zoller/>.

Opera lecture

Moylan C. Mills, professor emeritus of integrative arts, will discuss "Madame Butterfly" at 2:30 p.m. Sunday, Feb. 24, in 112 Woodland Building on the Penn State Abington campus.

This is a part of the "An Afternoon with the Arts" lecture series, held before the opening of this season's featured opera of the Philadelphia Opera Company.

Pre-registration for the lecture is required. Tickets are \$8. For information, call (215) 881-7368.

Posters celebrate King, history

"Celebrating Martin Luther King Jr. and Black History Month," an exhibit featuring 18 posters designed by students and a selection of prints from the University Libraries collection of historical Black Experience posters, will be on display through March 4 in the Patee Library exhibit area on the University Park campus.

The student posters were created in Lanny Sommesse's



Doll enthusiasts may want to mark their calendars as the HUB-Robeson Gallery and the Philadelphia Doll Museum collaborate to bring the exhibit "Historical and Contemporary Black Dolls" to the University Park campus. Above, Ann Shields, senior gallery manager, prepares part of the exhibit for its opening on Jan. 25. The exhibit continues through March 17.

Photo: Greg Grieco

Award-winning pianist Marvin Hamlisch to entertain on March 1

BRYCE JORDAN CENTER

Composer, conductor and pianist Marvin Hamlisch will be on stage at 8 p.m. Friday, March 1, at The Bryce Jordan Center on the University Park campus. Tickets are \$39.50 and \$36.50 for intimate, theatre-style seating. Group rates are available by calling (814) 863-1812.

Hamlisch's life in music is notable for its great versatility as well as substance. Best known as a composer, Hamlisch has written major works for film, stage, recordings and concert halls. As conductor, he has led the great orchestras of the world, and as a pianist and entertainer, he has performed both with ensembles and in solo capacity.

Hamlisch has won virtually every major award that exists: three Oscars, four Grammys, four Emmys, a Tony and three Golden Globe awards; his groundbreaking show,

"A Chorus Line," received the Pulitzer Prize. He is the composer of more than 40 motion picture scores including "The Way We Were" and his adaptation of Scott Joplin's music for "The Sting." Among the Broadway shows Hamlisch has composed are "They're Playing Our Song" and "The Goodbye Girl."

Tickets are available at The Bryce Jordan Ticket Center, Eisenhower Auditorium, select Uni-Marts, Commonwealth Campus ticket outlets, by phone at (814) 865-5555 and (800) 863-3338, or online at <http://www.bjc.psu.edu/>.

Art 470, "Time and Sequence" course. The other posters are selections from the Libraries' collection, begun in the 1960s when the Libraries joined with other University departments to produce posters and displays celebrating Black History Month (previously Black Experience Month) during February.

For information, call (814) 865-0401.

Exhibits celebrate black history

The University Libraries' Diversity Studies Room, 109 Patee Library on the University Park campus, is featuring three exhibits in conjunction with the upcoming Martin Luther King Jr. Day and Black History Month — "John Biggers," "Charles L. Blockson" and "Paul Robeson" — as well as the additional exhibit "Sketches from Todi: a Study Abroad Experience," all through March 13.

The Blockson exhibit features photographs and novels by the writer of *The Underground Railroad* and many other notable works. Blockson is curator of the Charles L. Blockson Afro-American Collection at Temple University.

Robeson was a scholar, actor, athlete and singer. The exhibit features photographs, musical recordings, videos and autographed books.

Biggers' murals are reflections of his childhood in the South during the Great Depression, his experiences as a student and as a recipient of the UNESCO fellowship allowing him to study in West Africa.

"Sketches from Todi: a Study Abroad Experience" contains artwork made by students and faculty members who participated in the Education Abroad Program in Todi, Italy, during the summer of 2001.

For information, check <http://www.libraries.psu.edu/pubinfo/events.html>.



News in Brief

Learn to use portal

Computer and Information Systems will offer a free seminar on how to navigate and customize the Penn State Portal from 1:25 to 2:25 p.m. Feb. 1 and 26 in 117 Wagner Building on the University Park campus.

The portal is a personalized Web page located at <https://portal.psu.edu/> that allows users with a Penn State Access Account to gather their favorite University and Internet content in one place and arrange it as desired. Some of the content users can choose to include is a personal calendar, campus or world news, club links, financial advice, library services and favorite e-mail addresses. More information about the Portal project is located at <http://www.psu.edu/portalproject/>.

The only prerequisite for this seminar is experience using a Web browser. To register, visit <http://cac.psu.edu/training/> and click the "Register for Seminars" link. Under "Table of Contents," type "Portal" in the search field.

Undergraduate exhibition

The 11th Annual Undergraduate Exhibition will be held Thursday, April 4, and Friday, April 5, in the Alumni Hall of the HUB-Robeson Center on the University Park campus.

Some \$2,500 in cash prizes will be awarded to outstanding projects selected by faculty review.

Exhibition guidelines and application forms may be found online by visiting the Schreyer Honors College Web site at <http://www.shc.psu.edu/>. Applications are due by 5 p.m. Friday, Feb. 1.

For information, call Donna Meyer or Rosanna Mersinger at (814) 863-2635 or e-mail scholars@psu.edu.

The event is free to the public.

Tech-Service workshop planned

The Commission for Women is sponsoring its annual workshop for technical-service employees Feb. 20 at The Penn State Conference Center Hotel on the University Park campus.

The theme this year is "Realizing Your Potential," and speakers include Rodney Erickson, executive vice president and provost; Stephanie Shields, professor of psychology; Susan Cromwell, assistant director, Human Resources Development Center; and David Piltz, human resources development associate. Detailed information will be mailed soon. For information, call the Human Resource Development Center at (814) 865-8216 or e-mail hrdc@psu.edu. The event is free.

Grant deadline is March 1

The deadline for the next funding period for



Construction is progressing on the new MBNA Career Services Center located behind the Eisenhower Auditorium on Bigler Road on the University Park campus. Completion of the building is targeted for summer. The state-of-the-art facility will feature more than 40 interview rooms, program areas, resource library and corporate and student service areas.

Photos: Greg Grieco

individual faculty grants offered by the Institute for the Arts and Humanities is Friday, March 1.

Proposals must be submitted by 5 p.m. to 103 Ithaca Cottage on the University Park campus.

Funds support research, performance and creative projects in and across the arts and humanities. All University faculty members with professorial rank and a continuing appointment are eligible to apply.

For information or guidelines, call (814) 865-0495 or e-mail iah1@psu.edu.

Nominations sought

The Commission on Lesbian, Gay, Bisexual and Transgender Equity is calling for nominations for membership.

The commission advises the president about issues related to the climate for les-

bian, gay, bisexual and transgender members of the University community. Terms are for three years and membership is open to faculty, staff, technical-service employees and students from all University locations. Nomination forms can be found at <http://www.tions.psu.edu/cigbt/> or by calling (814) 863-2294. The deadline is March 1.

Child development study

Families with at least two children between the ages of 5 and 10 years are needed for a University study of child development.

Participation includes completing written surveys and an evaluation of the children in the home. Families will receive financial compensation for the home visit. Parental consent is required for children's involvement.

For information, call Stephen Petrill at (814) 865-8078 or e-mail N2CAP@cdhg.psu.edu.

Library tours scheduled

Weekly library tours for new users are under way highlighting major areas in Pattee and Paterno libraries at University Park.

Throughout the spring semester, 45-minute tours are scheduled at 2 p.m. Tuesdays, 3 p.m. Wednesdays and 11 a.m. Thursdays. All tours begin in the Pattee Library lobby by the original Nittany Lion exhibit.

No registration is required for individuals. For information or to schedule group tours and special-needs tours, call (814) 865-9257 or (814) 865-6368.



Promotions

Technical Service

Steven J. Bercel, second cook, main kitchen at The Penn State Conference Center Hotel

Timothy E. Bruce, maintenance worker general A at Penn State Altoona

Housing & Food Services

Joseph R. Carper, stock delivery clerk in Business Services

Sean P. Coleman, maintenance worker general B at Penn State Berks

Catherine E. Corl, janitorial worker in Office of Physical Plant

Melissa K. Flick, maintenance worker, utility in Office of Physical Plant

Ian B. Harris, food preparer B at Penn State Berks

Patricia A. Kellichofer, maintenance worker, trash and litter in Office of Physical Plant

Craig G. Klair, maintenance worker general A at Penn State Schuylkill

William D. Kuzlo, senior electronics technician, computer systems in Office of Physical Plant

Richard B. Lewis, maintenance worker general A at Penn State Altoona

Robert E. Lewis, maintenance worker general A at Penn State Altoona

Thomas E. Meek, electrician, utilities in Office of Physical Plant

James W. Miller, residence hall project worker in Housing and Food Services

Bernard J. Newson, maintenance worker B at Penn State Delaware County

Richard A. Patton, group leader worker, utility at Penn State Worthington Scranton

Robert R. Rossman, maintenance worker general A at Penn State Altoona

Steven S. Rossman, maintenance worker general A at Penn State Altoona

Colleen H. Shuey, residence hall utility worker in Housing and Food Services

John W. Snook, groundskeeper landscape A in Office of Physical Plant

John J. Yecina, maintenance worker, area landscape in Office of Physical Plant

Staff

Corinne R. Agostinelli, catering manager at The Penn State Conference Center Hotel

Sondra K. Armstrong, staff assistant IX in University Libraries

Brenda K. Anderson, information systems support associate in Computer and Information Systems — Administrative Systems

Rachel L. Atnemus, staff assistant VII in College of Earth and Mineral Sciences

Susan C. Baker, administrative assistant II in College of Arts and Architecture

Scott D. Barbara, staff assistant VI in College of Health and Human Development

Kathy E. Barr, staff assistant VIII in College of Engineering

Barbara J. Bartley, staff assistant VII in College of Agricultural Sciences

Sandra K. Berkey, staff assistant VII in Office of the Vice President for Research

Michael F. Beline, director in Computer and Information Systems — Administrative Systems

Brett A. Bixler, lead instructional designer in Computer and Information Systems — Center for Educational Technology

Theodora M. Borelli, staff assistant VI at Penn State Berks

Janet N. Bosco, staff assistant VI in Intercollegiate Athletics

Evelyn I. Bradley, manager, network and information systems in Eberly College of Science

David C. Breon, manager, capital and space planning in Office of Physical Plant

Barbara A. Brinkman, staff assistant VI in College of the Liberal Arts

Kristina L. Bryk, project assistant in College of the Liberal Arts

Denise R. Brooks, associate director I in Division of Development and Alumni Relations

Janice M. Brown, staff assistant VI in Office of International Programs, Office of the Executive Vice President and Provost

Alicia Bunnell, lead contract and proposal specialist in Office of the Vice President for Research

Penny H. Carlson, program specialist, Division of Undergraduate Studies at Penn State Harrisburg

Mary L. Carothers, financial and accounting assistant in Office of the President

Sharon E. Christ, director of student affairs at Penn State York

Sarah A. Cook, program specialist in Division of Outreach and Cooperative Extension

Dawn G. Cox, computer support assistant in Computer and Information Systems — Center for Educational Technology

Michael D. Crandall, staff assistant VII in Office of International Programs, Office of the Executive Vice President and Provost

Peter M. Dawson, applications systems analysis and programming manager in Computer and Information Systems — Administrative Systems

Michele E. Davis, director of continuing education at Penn State Worthington Scranton

Doreen T. Diehl, staff assistant VI in College of Health and Human Development

Judy L. Early, staff assistant VI in College of Engineering

Linda L. Felix, data scheduler in Computer and Information Systems — Administrative Systems

Maralee Garber, designer II in College of Arts and Architecture

Erla S. Gardner, program aide, urban 4-H in College of Agricultural Sciences

Doretta K. Garvey, staff assistant VII in College of Engineering

Dorloris J. Gearhart, staff assistant VI at Penn State Wilkes-Barre

Timothy L. Grove, research support technician II in College of Agricultural Sciences

Kevin Handwerck, project associate in College of Agricultural Sciences

Susan H. Hayya, library specialist I in University Libraries

Janet L. Herrold, financial and accounting assistant in Intercollegiate Athletics

Burgandy D. Holiday, assistant extension agent in College of Agricultural Sciences

Kim M. Holland, staff assistant VII in Intercollegiate Athletics

George W. Hoover, customer service representative in Office of Physical Plant

Timothy A. Hopkins, architect II in Applied Research Laboratory

Joannie S. Hoshband, staff assistant VI in Eberly College of Science

Nadine J. Houck, project assistant in College of Agricultural Sciences

Richard A. Karten, network analyst in College of Arts and Architecture

Brian Katyl, computer support specialist at Penn State Wilkes-Barre

Kirsten E. Kauffman, assistant extension agent in College of Agricultural Sciences

Sean C. Kelly, director of student affairs at Penn State DuBois

Kimberly A. Kennedy, program coordinator II in College of Medicine, Hershey Medical Center

Brenda Kephart, staff assistant VI in The Smear College of Business Administration

Deborah A. Kern, staff assistant VI in College of Health and Human Development

Margaret A. Koble, information planning specialist in College of Agricultural Sciences

Bonnie C. Koch, staff assistant VIII in College of Medicine, Hershey Medical Center

Pamela M. Koons, training, education and development specialist at The Penn State Conference Center Hotel

Stewart E. Kooztz, facilities access coordinator in Office of Physical Plant

Carrie A. Koza, senior applications programmer/analyst in Computer and Information Systems — Center for Academic Computing

Diane M. Kurtz, collections care specialist in University Libraries

Melissa Landrau-Rodriguez, director academic advancement programs in college assistant migrant program, Office of the Vice Provost for Educational Equity

Erin M. Lesser, staff assistant V in Office of the Vice President for Research

Scott I. Lindsay, personal computer LAN management analyst, intermediate, in College of Arts and Architecture

Derek W. Lochbaum, director of sales in Business Services

Joseph Luchenister, laboratory coordinator at Penn State Harrisburg

Traci A. Mannino, manager, catering and special events at The Penn State Conference Center Hotel

Roxanne M. Masical, staff assistant VII at Penn State DuBois

Janice E. McCloskey, accountant aide in Division of Outreach and Cooperative Extension

Margaret B. McNulty, campus registrar III at Penn State Altoona

Carol A. Minski, coordinator of academic support services at Penn State Abington

John R. Murphy, director of student affairs II at Penn State Wilkes-Barre

Mary C. Murray, library assistant III at Penn State Great Valley

Laura V. Papish, writer-editor in Applied Research Laboratory

John D. Piccolo, director of continuing education I at Penn State DuBois

Lori A. Potter, staff assistant VI in Office of Physical Plant

Randolph J. Riesterer, lead project coordinator/Web developer in Applied Research Laboratory

Heather L. Rhodes, staff assistant V in School of Information Sciences and Technology

Carol M. Riley, library assistant III at Penn State Great Valley

Terrence L. Riley, regional director at Penn State York

Patrick J. Rose, director of student affairs at Penn State Worthington Scranton

Frances A. Sabaluskis, staff assistant V at Penn State Wilkes-Barre

Bonnie L. Scurman, senior research technologist in Eberly College of Science

Andrew T. Sharp, program specialist in Division of Outreach and Cooperative Extension

Lena L. Sheaffer, project assistant in Eberly College of Science

Michelle M. Sheaffer, staff assistant VIII in Student Affairs

Mary J. Smith, staff assistant VI in Business Services

Marion W. Spencer, staff assistant VI at Penn State Wilkes-Barre

Melissa A. Stark, systems training specialist in College of Engineering

Barbara J. Stine, staff assistant VII in Applied Research Laboratory

Michelle L. Stine, manager, network and information systems II in College of Arts and Architecture

Steven R. Strickler, assistant manager for production control in Computer and Information Systems — Administrative Systems

Lisa Taylor, administrative assistant I at Penn State DuBois

Jason J. Tremblay, multi-media and computer support specialist in College of Arts and Architecture

Jeffrey L. Van Fossan, technical coordinator I in College of Arts and Architecture

Tina M. Westley, staff assistant IV in Housing and Food Services

Carol Winkler, staff assistant VI in College of Engineering

Patricia L. Young, academic counselor at Penn State DuBois

Constance E. Zimmerman, program aide in College of Medicine, Hershey Medical Center



Appointments

Director named to University's Environmental Consortium

William E. Easterling, professor of geography and earth system science in the College of Earth and Mineral Sciences, has been named director of the Environmental Consortium.

Easterling succeeds Archie McDonnell, who retired from the University in October.

In addition, David R. DeWalle, professor of forest hydrology, with a long-standing joint appointment with the School of Forest Resources and ERRI, has been named associate director of the Environmental Consortium. DeWalle will also assume responsibilities as director of the Pennsylvania Water Resources Research Center.

The consortium was established in January 2000 to increase the visibility of the University's environmental research, education and outreach programs, to facilitate the ability of faculty and students to address opportunities that require interdisciplinary interaction and collaboration, and to engender new research and education directions. Easterling also will serve as director of the Environmental Resources Research Institute that is now a part of the Environmental Consortium.

Easterling researches the interactions of global environmental change, food security and environmental conservation. He received his bachelor's degree in geography and history, master's degree in economic geography and doctoral degree in geography-climatology from the University of North Carolina at Chapel Hill. Before coming to the University in 1997 as an associate professor, he was inter-



William E. Easterling



David R. DeWalle

im director of the National Institute for Global Environmental Change, a consortium of six university-based regional research centers reporting to the U.S. Department of Energy and held faculty positions at the University of Nebraska-Lincoln and the University of Illinois-Champaign-Urbana. Before that, Easterling was director of the Great Plains Regional Center for Global Environmental Change in Lincoln, Nebraska, was a fellow in the climate resources program, Resources for the Future in Washington, D.C.; and held associate professional scientist and professional scientist positions in the climate and meteorology section of the Illinois State Water Survey.

DeWalle researches issues of acidification and its effects on forest ecosystem health and has authored numerous journal articles and book chapters on the subject. His expertise also includes snow hydrology, on which he is writing a book.

DeWalle came to the University in 1969. He has served as assistant director for research and graduate studies and forest science program chair in the School of Forest Resources. As a Heinz fellow and executive board member of the Center for Watershed Stewardship, he helped create the graduate option in watershed stewardship.

DeWalle received his bachelor's degree in forest management and master's degree in forest hydrology from the University of Missouri, and doctorate in watershed management from Colorado State University.

New director appointed for Industrial Research Office

Tanna M. Pugh has been named director of the Industrial Research Office, a unit in the Office of the Vice President for Research.

The office assists companies in identifying and accessing University research centers and faculty expertise and works to foster University-industry partnerships.

Pugh previously served the office as acting director and associate director. Since joining the office in 1997, Pugh has established multiple research alliances with industrial partners, created an electronic

tool for managing account information and linked office activities more closely with Penn State's other technology transfer activities.

A University alumna with a bachelor's degree in chemical engineering, Pugh held sales and marketing management positions with Air Products and Chemicals Inc., Lord Corp., and NL Industries.

She is an industrial counselor to the University's Student Chapter of the Society of Women Engineers.

New director of alumni relations begins work at Smeal

Aimee L. Hamilton has joined The Smeal College of Business Administration as director of alumni relations.

In her new role, Hamilton will plan and implement various activities for the nearly 62,000 alumni of the college.

Hamilton has spent the majority of her professional career in the financial services industry, working in the municipal securi-

ties divisions of Prudential Securities, CSFB and First Southwest Co.

A 1983 graduate of Harvard University, she received her bachelor of arts degree in psychology and social relations. She earned her master's degree in public and private management from the Yale University School of Management in 1990.

Assistant professor of materials science named faculty fellow

Evangelos Manias, assistant professor of materials science and engineering, has been named the Virginia S. and Philip L. Walker Jr. faculty fellow in materials science and engineering, in recognition of his contributions in the field of polymer/inorganic nanocomposites.

The fellowship provides funds to an outstanding faculty member of the Department of Materials Science and Engineering to assist in teaching, research and service to the University and the public.

Manias, a graduate of the Department of Physics at the Aristotle University of Thessaloniki, Greece, received his doctoral degree from the University of Groningen, the Netherlands, in polymer physical chem-



Evangelos Manias

istry in 1995. He then joined the Materials Science and Engineering Department of Cornell University as a post-doctoral research scholar and in 1998 took his current position at Penn State as assistant professor of materials science and engineering.

Manias' research group focuses on polymers in nanoscopic confinements and near-solid surfaces, and includes polymer/layered-inorganic nanocomposite materials, as well as AFM and molecular modeling studies of polymeric nanostructures.

More information about his research and teaching activities can be found at <http://zeus.plmssc.psu.edu>.

Penn State New Kensington library sees new leadership

Jennifer Gilley was recently appointed head of the Elisabeth S. Blissell Library at Penn State New Kensington, where she previously worked as reference librarian. Before coming to Penn State, she gained library experience serving as technical services librarian at the Whitehall Public Library in Pittsburgh.

Gilley's focus is to increase usage of the library's resources, both in the library and on the web (<http://www.nk.psu.edu/library/index.html>). Through an online tutorial still in development, Gilley hopes to

raise the level of information literacy among New Kensington students.

Additionally, Gilley is working with her staff to assess and improve the library's collection. She also is promoting the library's new status as a federal depository library.

Gilley earned a bachelor's degree in English from Hiram College, Ohio; a master's degree in women's studies from The Ohio State University; and a master's degree in library and information science from the University of Illinois at Urbana-Champaign.

Dean selected for Industrial and Engineering Technologies

Lawrence J. Fryda has been named dean of the School of Industrial and Engineering Technologies at Pennsylvania College of Technology.

He succeeds Eric K. Albert, who decided to return to a teaching position at Penn College. Albert is associate professor of machine tool technology/automated manufacturing in the School of Industrial and Engineering Technologies.

Fryda comes to Penn College after eight years at Central Michigan University, where he was chairperson and a professor in the Department of Industrial and Engineering Technology.

Before that, Fryda was an associate professor and sequence coordinator in the Industrial Technology Department at Illinois State University for nine years. He

served approximately 12 years teaching electronics at Central Community College, Hastings, Neb., and other institutions.

Fryda has published articles and papers in numerous national and international journals, and he has been a presenter at several conferences.

At Central Michigan University, Fryda was instrumental in two international exchanges — with Monterrey Institute of Technology, Toluca, Mexico, and with a Russian university.

Fryda earned his doctoral degree in vocational administration from Colorado State University. He earned a master's degree in master teacher, a bachelor's degree in vocational education and an associate degree in industrial electronics from the University of South Dakota.

Director of instructional technology named at Penn College

Jennifer McLean has been appointed director of instructional technology and distance learning at Pennsylvania College of Technology.

McLean succeeds Fred Gilmour, who retired this year after 20 years of service to the college.

McLean earned bachelor's degrees in English and biology from Augustana College, Rock Island, Ill., and a master's degree in pub-

lic health from the University of Illinois at Urbana-Champaign. She is completing a graduate degree in adult education at Penn State.

In the past, McLean developed multimedia and Web-supplemented instructor ancillaries and student study aids for academic publishers, worked as an editor and content expert for several publishers, and taught distance-learning courses in health education at two institutions.



Partings

Professor, poet says farewell after 40 years

Robert Lima, professor of Spanish and comparative literature and fellow of the Institute for the Arts and Humanistic Studies, retired Dec. 31 after 40 years in the profession.

Lima came to the University in 1965 as an inaugural faculty member at Penn State Beaver and moved to University Park in 1967. He was chair of comparative literature from 1970 through 1975.

He did his undergraduate degree work in English and philosophy at Villanova University, 1953-1957, where he was elected to Alpha Psi Omega National Honorary Drama Fraternity. He also received the master's arts degree in theatre and drama in 1961 there after completion of his active duty in the U.S. Army Reserve.

In 1962, Lima became a full-time lecturer in romance languages at Hunter College of the City University of New York and began concurrent doctoral studies at New



Robert Lima

York University. He received the doctor of philosophy degree in romance languages and literatures in 1968 with departmental honors, earning New York University's Founders' Day Award for academic excellence.

Lima has published 20 books and hundreds of articles, translations, poetry, plays, reviews and notes.

He was a Cintas Foundation fellow in poetry and a senior Fulbright-Hays fellow in Peru, serving as poet-in-residence at Universidad de San Marcos and visiting professor of Comparative Literature at Pontificia Universidad Católica del Perú. Villanova University has honored him with the Distinguished Alumnus Medal of the College of Liberal Arts and Sciences. He has been elected academicien of the North American Academy of the Spanish Language and corresponding member of Spain's Royal Academy of the Language.

Marketing professor gives 33 years to University

After more than 33 years of service to the University, David T. Wilson retired on Jan. 2.

Wilson has been the Alvin H. Clemens professor of entrepreneurial studies in The Smal College of Business Administration since 1993 and is the faculty director of the Penn State Executive Program: Marketing Strategy in Business Markets.

He joined the Department of Marketing in 1975 and, since 1982, has been the managing director of the Institute for the Study of Business Markets. He has served as chairman of the Department of Marketing and completed a three-year term as MBA director in 1994.

Wilson was an active member of the American Marketing Association (AMA),

serving on the advisory board to the vice president of the AMA's Education Division and as vice president of the Business Marketing Division. He was the founding editor of the *Journal of Business-to-Business Marketing* and served as editor until 1995. He has served on numerous editorial boards and was section editor of the *Journal of Marketing* from 1981 to 1984. He is an author or co-author of more than 200 books, articles and papers in business marketing.

Wilson holds a bachelor's degree in mechanical engineering from Queen's University and received his MBA and doctoral degree from the University of Western Ontario.

Professor says goodbye after 37 years here

William R. Schmalstieg, Edwin Earle Sparks professor of Slavic languages and general linguistics, is retiring after 37 years of teaching and research at the University.

In 1964, Schmalstieg came to Penn State as an associate professor of Slavic languages and in 1967, was advanced to the rank of professor. He served as acting head of the Department of Slavic Languages from 1965 to 1969 and as head from 1969 until 1991.

Schmalstieg has held academic positions at the University of Kentucky, Easton College and the University of Minnesota. From 1952 to 1954, he was a second lieutenant and a first lieutenant in the U.S. Army, teaching Slavic languages and Arabic at the National Security Agency in Washington, D.C.

In 1950, Schmalstieg graduated magna cum laude from University of Minnesota where he majored in linguistics, minored in French and studied numerous other languages. In 1951, he received a master's arts in Slavic languages at the University of Pennsylvania. He received his doctoral degree there in 1956, specializing in Baltic and Slavic languages.

Schmalstieg was a member of the Institute for the Arts and Humanities, awarded the Faculty Schola's Medal in 1983 and recognized by the University of Kansas, Lithuania, which awarded him an honorary doctorate in 1994.

Schmalstieg is the author or co-author of 19 books. In addition, he has authored more than 170 articles or book chapters.

Lehigh Valley chemistry instructor retires

Renee Gittler, senior lecturer in chemistry at Penn State Lehigh Valley, retired in December after completing 26 years of service.

Gittler joined the faculty in 1975 as a part-time lecturer and became full-time faculty the following year.

Gittler was recognized by the University for bringing technology and innovation into the classroom. She introduced small-scale chemistry labs to the Lehigh



Renee Gittler

Valley campus and designed a chemistry lab that fosters a team approach to problem solving.

Gittler was active in campus, college and University committees. She was the first chair of the Berks-Lehigh Valley College Senate.

She was the recipient of the Student Appreciation and Recognition Award in 1978 and the Campus Teaching Excellence Award in 1995.

Dispatcher ends 25 years at Fleet Operations

Ruth "Ruthie" Carpenter retired from Fleet Operations on Oct. 1 after 25 years at the University.

She began her Penn State career on Jan. 8, 1976. Her responsibilities included being the fleet vehicle reservationist and dispatcher. Before that, she drove the Loop

Bus for 13 years and also worked at the Test Track for 25 years driving tractor-trailers.

Carpenter intends to spend her retirement gardening, homemaking and spending time with her husband, daughters and grandchildren.

Many announce retirements from University

Beverly L. Aikey, janitorial worker in Office of Physical Plant, from Sept. 2, 1976, to Sept. 8.

George A. Prophet, research assistant in College of Medicine, Hershey Medical Center, from July 1, 1970, to Aug. 1.

Anne R. Aregood, administrative assistant IV in College of Medicine, Hershey Medical Center, from July 1, 1971, to July 17.

Robert A. Scott, associate professor of behavioral science at Penn State Harrisburg, from Aug. 11, 1971, to July 3.

Larry E. Doerr, manager, program office in Computer and Information Systems, from Oct. 1, 1963, to Aug. 1.

Walter F. Vongheer, financial officer V in Office of Corporate Controller, from July 1, 1966, to July 19.

Thomas R. Drake, senior research assistant in veterinary science in College of Agricultural Sciences, from July 1, 1976, to Oct. 1.

Molly A. Way, staff assistant V in Housing and Food Services, from Oct. 24, 1974, to July 21.

John S. Futrick, administrative assistant IV in College of Engineering, from Dec. 1, 1963, to Sept. 1.

Grace S. Widmann, assistant financial officer in Office of Corporate Controller, from Aug. 28, 1967, to July 21.

Patricia A. Harris, staff assistant V at Penn State McKeesport, from Jan. 12, 1976, to Aug. 1.

Carl G. Williams, director of administrative financial services in Office of Physical Plant, from Sept. 9, 1971, to July 14.

Evyonne E. Henninger, staff assistant VII in College of Agricultural Sciences, from Sept. 15, 1976, to Oct. 1.

David R. Workman, utilities analyst in Office of Physical Plant, from Sept. 19, 1969, to Sept. 22.

Deborah R. Kleavans, director of outreach program planning in Division of Outreach and Cooperative Extension, from Aug. 16, 1986, to Oct. 1.

Emeritus

The following individual has earned emeritus rank from the University for their longstanding and productive years of service:

Ronald F. Kroul, group leader, farm machinery in College of Agricultural Sciences, from Sept. 11, 1972, to Sept. 22.

Rex H. Warland, professor emeritus of rural sociology and sociology in College of Agricultural Sciences, from Aug. 1, 1966, to Jan. 1.

Keep on top of the latest University news through the **Employee Newswire**. Just go to the Web at <http://newswires-psu.edu/> to sign up for your **FREE** Employee Newswire.

Agreement provides free virus detection software for students, faculty, staff

By Heather Herzog
Computer and Information Systems

A contract recently signed between Penn State and Symantec will make Norton AntiVirus software available at no cost to students, faculty and staff throughout the University.

According to University computer experts, concern about the damage viruses can inflict is growing at Penn State, as increasingly more students acquire and use computers for a range of activities including chatting with friends, submitting papers and conducting research. New viruses appear at the rate of about three to four each month, experts say, so University community members shouldn't rely on anti-virus software that isn't updated on a regular basis. Moreover, the onslaught of attachment-based viruses and other hostile code has been extremely costly for institutions and businesses. For example, "Melissa" extracted a price tag of about \$80 million, and damages inflicted by the highly publicized "Love Bug" were in the billions.

Issues such as these prompted the University to search for a virus detection system that would be both cost-effective and accessible for the many computer users in the Penn State community, according to Kevin Moroney, senior director of the Center for Academic Computing, one of six units that comprise the Office of Computer and Information Systems.

"Symantec is a leading anti-virus software developer. We believe its Norton AntiVirus software package will provide effective coverage for all the individuals at Penn State who install it," Moroney added. "We encourage everyone to use this software."

Students at University Park will be able

"We encourage everyone to use this software."

Kevin Moroney
senior director of the Center for
Academic Computing

to obtain the new free anti-virus software from offices located at 6 Willard and 214 Computer Building. Students at other campus locations can obtain the software from the computer center in their specific areas. The software distribution, which began officially on Jan. 21, is expected to continue throughout this year.

In addition to the student distribution, a free, two-CD Norton AntiVirus set will be sent to all University department budget administrators. Each department must then complete a Microcomputer Order Center form to obtain the legal license for use of the software. This order form may also be used to purchase additional copies of the CDs at the cost of \$2 per set. The department CDs will include individual software, plus tools to be installed on departmental servers to allow the centralized administration of configurations and updates. Department licenses are expected to cover both home and work systems for faculty and staff at Penn State.

To learn more about the Norton AntiVirus software distribution program, see <http://cac.psu.edu/infotech/>. The anti-virus software can be downloaded from the Microcomputer Order Center at <http://moc.cac.psu.edu>.

Heather Herzog can be reached at hk4@psu.edu.

Nominations sought for Schraer Award

Nominations are being sought for the annual Rosemary Schraer Mentor Award, sponsored by the Commission for Women. The award, created in memory of Rosemary Schraer, former associate provost for Penn State, honors a current University employee who has excelled in helping others to recognize and achieve their potential professionally and personally.

The award recognizes individuals who have advised, facilitated, encouraged or paved the way for others. Consideration for the award will be given to any University employee who has a record of outstanding mentoring service going beyond the requirements of their employment.

Schraer, who died in 1992, joined the University in 1959 as a faculty member in the Eberly College of Science and through her 26-year tenure was noted for her mentoring abilities. In 1985, she accepted a posi-

tion as executive vice chancellor and then chancellor of the University of California, Riverside.

Nominations are due by Friday, Feb. 15, and should be returned to Vasu Varadan, chair of the Nominations Committee, Commission for Women, 212 Earth and Engineering Sciences Building, University Park, PA, 16802.

For more information, call the Commission for Women office at (814) 863-8493. For a nomination form, check the Web at <http://www.lions.psu.edu/cfw/schraeraward/applications/schraerform.htm>.

Contributions to help endow the award may be made payable to The Pennsylvania State University and sent to 1 Old Main, University Park, PA 16802, with an indication that contributions are to be credited to the Rosemary Schraer Fund.

Institute assists social sciences research

What links research concerning school financing in elderly communities, surveys about African-American smoking habits, and studies examining the balance between work and family in rural areas? These projects, among many others, require research resources beyond the ordinary. The University's newly founded Social Science Research Institute provides the means for researchers to find the answers to complex social problems.

Headed by Mark Hayward, professor of sociology and demography, the institute fosters communication and collaboration across the University's social science community to build research projects and centers of excellence. Researchers can use state-of-the-art technological resources in computing, survey design and data collection, proposal development and grants management, data management and statistical programming, electronic data archiving and geographic information systems approaches to social science research.

Open to all social science faculty members at the University, the institute is sup-

ported collaboratively by the colleges of Agricultural Sciences, Education, Health and Human Development, and the Liberal Arts; the Office of the Vice President for Research; and the Office of the Executive Vice President and Provost.

The institute comprises several University research centers: Population Research Institute, The Institute for Policy Research and Evaluation, and the new Survey Research Center. Led by David Johnson, professor of sociology and human development and family studies, the Survey Research Center offers research support to faculty in the areas of survey design, sampling and data collection. Undergraduate and graduate students will be collecting data on problems confronting Pennsylvania residents as well as the U.S. population.

The center also serves as a resource on primary survey data collection for students enrolled in research methods courses. The institute offers a range of workshops in computing, GIS and survey research methods open to students and faculty each academic year.

Research team gets \$1.8 million grant from NASA

Long-Qing Chen, associate professor and associate head of graduate studies in materials science and engineering, and his research team received \$1.8 million from NASA to develop revolutionary materials technologies for future generation turbine engine propulsion systems under NASA's Ultra Efficient Engine Technology program.

The objective of the project is to develop a set of multiscale computational tools that

will be employed to predict the relationships among the chemistry, microstructure and mechanical properties of single-crystal Ni-base superalloys.

Chen's research team includes Zi-Kui Liu, assistant professor of materials science and engineering, and other institutional and industrial partners from NASA Glenn Research Center, University of Florida, General Electric, Ford Motor Co. and Universal Energy Systems.

OBITUARIES

George L. Brandon, professor emeritus of vocational education in the College of Education, from Sept. 1, 1963, until his retirement July 1, 1976; died Nov. 14, at the age of 90.

Mary P. Butler, janitorial worker in the Office of Physical Plant, from Sept. 26, 1966, until her retirement Jan. 1, 1992; died Dec. 10. She was 69.

Billy J. Cowher, community service officer in University Safety, from April 1, 1963, until his retirement Jan. 6, 1987; died Nov. 2, at the age of 77.

Elonza B. Fitzgerald, manager of laundry services in Housing and Food Services, from Nov. 1, 1969, until his retirement Jan. 1, 1986; died Dec. 8. He was 76.

David B. Keller Sr., painter A in Office of Physical Plant, from June 10, 1974, until his retirement June 30, 1988; died Dec. 1, at the age of 78.

Betty A. Lewis, hostess in the residence hall program in Housing and Food Service, from Sept. 21, 1964, until her retirement July 1, 1969; died Nov. 26. She was 98.

David A. Long, professor emeritus of civil engineering in the College of Engineering, from April 1, 1964, until his retirement Dec. 24, 1994; died Nov. 17, at the age of 68.

Yates Mast, legal counselor in Student Affairs, from Sept. 1, 1972, until his retirement Oct. 8, 1983; died Nov. 3. He was 78.

Robert E. McDermott, professor emeritus of environmental and health systems at Penn State Harrisburg, from Oct. 1, 1959, until his retirement June 30, 1983; died Oct. 31, at the age of 81.

Dorothy G. Snyder, senior clerk in Academic Services, from July 8, 1974, until her retirement Jan. 1, 1985; died Nov. 19. She was 85.



Penn Staters

S. Ashok, professor of engineering science, presented an invited paper on "Formation and Characterization of Multi-layered Nanocavities in Silicon with Cascade Helium Implantation" at the International Conference on Semiconductor and Integrated Circuit Technology in Shanghai, China. Ashok also served as a session chair during the conference. The paper was co-authored with **Sanjay Rangan**, a former doctoral student now with Intel, and researchers **Gordon Chen** and **David Theodore** of Motorola.

Ellen Boyd, assistant program director for the Shaver's Creek Environmental Center, was presented with the 2001 Daisy S. Klinedinst Memorial Award at the Pennsylvania Alliance for Environmental Education conference in Harrisburg. The award was given in recognition of "the great impact she has on interns and fellow staff in bringing new ideas to old challenges and building community among all at Shaver's Creek Environmental Center."

Wesley E. Donahue, director of management development programs and services, was elected to a four-year term on the advisory board for the annual Conference on Management and Executive Development held in Palm Harbor, Fla. The board organizes conferences for management and executive development directors, program coordinators, marketing managers and staff members involved in business, cooperative extension and continuing education operations at four-year colleges and universities.

Louis Geschwindner, professor of architectural engineering, has been named a Fellow of the Architectural Engineering Institute. The organization provides a multidisciplinary forum for building industry professionals to examine technical, educational, scientific and professional issues.

Paul W. Howe, assistant professor of business administration/travel and tourism at Pennsylvania College of Technology, was elected to the board of directors of the International Society of Travel and Tourism Educators. He will serve a two-year term on the board.

Kristin Ivanova, a physicist in the Department of Meteorology, presented "Are the British RGB Pound and Euro Different or the Same Currency?" at the Third EPS Conference on Application of Physics in Financial Analysis in London, England.

Jainendra K. Jain, Erwin W. Mueller professor of physics, is one of three physicists selected by the American Physical Society to receive the Oliver E. Buckley Condensed Matter Prize in 2002. He and two of his colleagues, **Nicholas Read** of Yale University and **Robert Willott** of Lucent Technologies, are being honored for their theoretical and experimental work in "establishing the composite fermion model for the half-filled Landau level and other quantized Hall systems," according to the society.

David Kelton, chair of the Department of Management Science and Information Systems, received the 2001 Outstanding Simulation Publication Award from the Institute for Operations Research and Management Sciences' College on Simulation for the third edition of *Simulation Modeling and Analysis*. Kelton co-authored the textbook with **Averett M. Law** and **Associates** of Tucson, Ariz. The award was presented at the INFORMS College on Simulation 2001 Winter Simulation Conference in Arlington, Va.

Robert Lima, professor of Spanish and comparative literature, and fellow of the Institute for the Arts and Humanistic Studies,

presented "Leonora Carrington: An Exegesis of Her Alchemical Art" at an international conference on art and alchemy at Aarhus, Denmark.

Gerald Mahan, distinguished professor of physics, has been elected to a four-year term as a councillor of the American Physical Society. Councillors serve on the governing board of the organization and also are expected to participate in planning and organizing some of many initiatives of the society.

CHOICE magazine has selected *Pushing the Digital Frontier: Insights into the Changing Landscape of E-Business*, as one of the two Outstanding Academic Titles of 2001. The book was edited by **Nirmal Pal**, executive director of the eBusiness Research Center, and **Judith Roy**, senior research associate. Faculty members and researchers contributed chapters to the book. They included: **James Thomas**, dean of the School of Information Sciences and Technology; **Fariborz Ghaderi**, director of the Center for Global Business Studies; **Rock-Lee DeWitt**, associate professor of management and the associate dean of professional master's programs; **Michael E. Brown** and **Kevin G. Corley**, doctoral students in management and organization; **Dennis A. Gioia**, professor of organizational behavior; **Hemant K. Bhargava**, professor of management information systems; **Albert A. Vicore**, professor of business administration; **Shawn M. Clark** and **Cole Campbell**, co-directors of the IST Solutions Institute; **Kristin Campese**, manager of instructional design and research in the IST Solutions Institute; **Richard Taylor**, co-director of the Institute for Information Policy; and **Fred Loomis**, special assistant to the executive vice president and provost for Web strategy development and implementation. **Judy Olian**, dean of The Smell College of Business Administration, co-authored the book's foreword.

Nirmal Pal, executive director of the eBusiness Research Center, will serve as an external reviewer for the comprehensive review of the academic departments in Brigham Young University's Marriott School Centers and Institutes. Pal will review the Center for International Business Education and Research, Rollins Center for eBusiness, Center for Entrepreneurship and Institute of Retail Management Department.

Alan Price, professor of English, and **Elizabeth Wright**, assistant professor of English, both at Penn State Hazleton, participated on a panel discussing the topic of "Can France Survive These Defenders?" at an international conference, "American in Paris: Paris in Americans," which aimed to explore the exchanges between French and American culture, especially the transatlantic dialogue that took place during the 19th and 20th centuries. Price presented "Edith Wharton and the Dimensions of French Propaganda" and Wright presented "Dorothy Canfield Fisher's The Deepening Stream and the Politics of Travel."

Nancy Marie Tischler, professor emerita of English and humanities, and **Albert J. Devlin**, a member of the Department of English at the University of Missouri, were awarded the Morton N. Cohen Award for Distinguished Edition of Letters. The Modern Language Association of America honored the two for editing *The Selected Letters of Tennessee Williams: Volume 1, 1920-1945*.

Jean-Claude Vuillemin, associate professor of French literature, presented a paper titled, "Baroque Dramaturgy: Pertinence and Persistence," at the Université de Montréal. This one-hour conference was given in conjunction with a graduate seminar on 17th-century French drama and had been partially funded by a University Global Fund Grant.

Relocated



The two columns with lion heads and benches that were at the former Atherton Street entrance to University Park are being moved back to the intersection of Burrows and Pollock roads. The curved form the men are using is a copy of the benches so the men can make the foundation the proper size.

Photo: Greg Gleico

COURSES

Health Matters

Health Matters will present "Healthy Eating On The Run" as part of its nutrition series.

Beth E. Van Horn, family living educator, will discuss how to prepare quick and easy healthful meals from noon to 1 p.m. Thursday, Jan. 31, in 118 Agriculture Sciences and Industries Building on the University Park campus. The cost is \$5.

To register, call (814) 865-3085 or go online at <http://www.ohr.psu.edu/health/home.htm>.

NEW AT PENN STATE

Technical communications certificate offered

The University will introduce a new certificate program in technical communications at four locations this spring: Abington, Altoona, McKeesport and University Park.

The five-course, noncredit program is designed to deliver the skills and knowledge required to enter the field of technical communications or to formalize knowledge for working professionals. Courses will cover technical writing and editing, information design, usability and project management for technical communicators. While completing the courses, each student will create a portfolio of work to show to current or potential employers. Each course will run for eight weeks.

For information about this program and about the current career climate for technical communications professionals, visit the Web at <http://www.pstatecommcert.org/ohr>.



Focus on Research

Center for Gravitational Wave Physics established

By BARBARA KENNEDY
Eberly College of Science

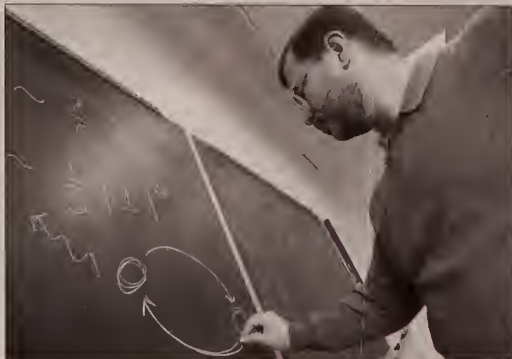
A multi-million-dollar, multi-year grant from the National Science Foundation (NSF), along with significant support from the University, has created the Center for Gravitational Wave Physics at Penn State — funded at \$1 million a year for each of the next five years and led by Lee Samuel Finn, associate professor of physics and astronomy and astrophysics.

The center supports an interdisciplinary team of scientists at the University and eight other participating institutions in the United States, Scotland, Canada and Germany. The researchers are poised to explore the mysteries hidden in the first signals ever detected from gravitational waves generated by the most massive and violent objects in the universe — which they anticipate will be collected by new gravitational-wave detectors in the United States, Europe and Japan, plus by a space-based detector to be launched later this decade.

"We will be the first to explore this brand-new field where no observations of this kind have been possible before," Finn said. "As we move forward, we expect our anticipated research approach might change as we learn what problems we must address. That type of flexibility for doing aggressive and timely studies, which the NSF encourages, is the key to frontier research."

Pablo Laguna, professor of astronomy and astrophysics, and Peter Mészáros, distinguished professor and head of the Department of Astronomy and Astrophysics, are co-principal investigators. Ashtekar is chair of the executive committee. Steinn Sigurdsson, assistant professor of astronomy and astrophysics, and Alexander Wolszcan, Evan Pugh professor of astronomy and astrophysics, are among the University researchers associated with the center.

The center is among the first to receive support from the NSF Physics Frontier Center program. According to the NSF, the program funds research at the frontiers of physics and at the boundaries of physics with other disciplines that are of a scope and com-



Lee Samuel Finn, associate professor of physics and astronomy and astrophysics, is the director of the new Center for Gravitational Wave Physics at the University.

Photo: Greg Grifone

plexity requiring combinations of talents and disciplines, specialized infrastructure, large collaborations, and centers that catalyze rapid advances on promising research topics.

"Einstein predicted the existence of gravitational waves in 1917 as ripples in the fabric of space and time, but for several decades the idea seemed exotic and remained in the realm of theory," explained Abhay Ashtekar, holder of the Eberly family chair in physics, director of the Center for Gravitational Physics and Geometry, and chair of the executive committee of the center. "It was only in the 1980s that the existence of these waves was firmly established through a decade of careful astronomical observations — an achievement so important it was rewarded with a Nobel prize. We are now reaching a truly exciting era when these waves will be directly detected on Earth, opening a brand new window to the universe."

The new center has three main research thrusts: astrophysical modeling and interpre-

tation of the forthcoming observations of such massive objects as colliding black holes, developing the numerical and analytical tools for testing Einstein's theory of general relativity and for understanding both the sources of gravitational waves and the nature of space and time, and contributing to the design of more advanced gravitational-wave detectors.

Ashtekar said the theoretical and experimental research communities in general relativity have not previously been strongly linked, but now the gravitational-wave observations are rapidly changing this status-quo and a new field of "gravitational wave phenomenology" is emerging at the interface.

The center's establishment as a geographic and intellectual focal point with a strong program for visiting scientists is expected to promote important, and comparatively quick, contributions to the field.

Barbara Kennedy can be reached at
bkk1@psu.edu.

Hatchery fish can spread fungus to toad embryos, research says

New research shows that hatchery-reared fish can spread a fungus implicated in the mass deaths of the embryos of toads and other amphibians in the Pacific Northwest. This is the first evidence that fish stocking can spread amphibian diseases.

Although the research was performed at wilderness ponds where amphibians breed in Oregon, the researchers believe the findings might apply to any lake or stream environment where fish stocking occurs.

"With hatchery-reared fish, the potential for disease is greater simply because the environment in which they are raised is not natural," said Joseph Kiesecker, assistant professor of biology and the principal researcher, who also has study sites near Penn State. "Once those fish are introduced into a lake or stream where amphibians breed, the potential then exists for the transfer of disease. It could happen anywhere stocking occurs."

To determine whether fish stocking could spread the fungus to amphibians, Kiesecker, and his colleagues collected rainbow trout from a fish hatchery and fresh western toad eggs from Lost Lake, Ore.

Experiments confirmed that trout can spread the fungus to toad embryos: Exposing the embryos to infected trout increased their death rate by about 15 percent. Researchers also found that trout can spread the fungus to soil, which can then infect toad embryos.

Middle-aged women take charge, but supportive of moms

By BARBARA HALE
Public Information

Results of a University study show that middle-aged daughters tend to dominate interactions with their aging mothers but they do it while being just as nice as they can be.

Eva S. Lefkowitz, assistant professor of human development and family studies, led the study. She said, "Our results show that middle-aged women take charge in conversations with their mothers, just as they do with their teenage children. However, the women structure, rather than control, the conversations with their mothers and offer supportive, encouraging, engaged, enthusiastic and humorous exchanges."

Karen Fingerhut, associate professor of human development and family studies, co-authored the research. She said, "Mothers and daughters in late life have strong relationships, in part, because they are so good at expressing positive feelings and not expressing their negative ones. We know that the daughters in our study all had some problems with their mothers based on their responses in individual interviews but, in their mothers' presence, they acted with good humor, grace and acceptance."

In the study, 46 mothers, ages 69 to 93, were audio-taped while completing a problem-solving task with their daughters. Each of the women had been shown a picture of a mother and daughter and asked to write a story about it. When complete, the mothers and daughters were brought together and asked to prepare a joint story.

In some pairs, the daughters resolved the problem of preparing a new story by suggesting that they simply submit the story that the mother had written independently. Other pairs negotiated solutions by developing a new story together. Conversations that took place during the negotiations were recorded and coded for overall talking time and rated.

While both the mothers and daughters were very careful of the other's feelings, the daughters displayed more positive involvement with their mothers.

Fingerhut said, "As people enter late life, in general, we see decreases in negative emotions. The older mothers are not negative, in part, simply because they are old. Middle-age is generally a generative period when people have a lot of responsibilities and care for a lot of people. In this case, the middle-aged daughters were being generative towards their mothers."

Barbara Hale can be reached at
bah1@psu.edu.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 863-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Remembering Martin Luther King Jr.



Photo: Vicki Fong



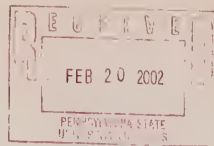
Several events took place across the University this past week in honor of Martin Luther King Jr. NOMMO performed at the official opening of the Africana Research Center on the University Park campus, top. Also at University Park, Ebony Richardson from the Unity Church of Jesus Christ sang "Lift Every Voice and Sing" on the steps of Old Main before the start of the annual Martin Luther King Jr. Memorial March, left, and Monifi Jones performs in the play "The Revolutionary," a monologue about the life of Lorain Hansberry, above. This show was performed for review by the theatre faculty for a grade, and was performed again Jan. 19 for the public along with several other monologues. For more photos, check the Web at http://www.psu.edu/ur/archives/intercom_2002/Jan24/mlk.html

Photos: Greg Grieco



Intercom

INFORMING THE PENN STATE COMMUNITY



JANUARY 31, 2002

University officials believe independent hospital would best serve residents

The proposal to have Centre Community Hospital (CCH) embark on a preferred partnership with Geisinger Health System is not in the best interests of residents of the State College area, according to Penn State officials.

Penn State donated about 30 acres of land in 1968 to help create Centre Community Hospital in State College. The covenants of the donation call for the hospital to be independent, locally controlled and accessible to all.

"The independence of the hospital is now threatened by an agreement being negotiated with Geisinger that would designate Geisinger as a "preferred partner" of the hospital," according to President B. Graham Spanier. "Although about 30 percent of the physicians in the community are affiliated with Geisinger, 70 percent are not. The overwhelming majority of physicians in the community are opposed to this preferred financial partnership with

Geisinger, which could exclude the participation of some physicians in the community."

Penn State employees and retirees, along with their dependents and University students, comprise approximately one-half of the patients who annually use Centre Community Hospital. The University spends about \$80 mil-

History, page 3

THE HISTORIES OF PENN STATE

90 Years And Counting

Penn State Lehigh Valley has been on the leading edge since its opening

Editor's note: Most people know the history of Penn State as that of a school chartered in 1855 at the request of the Pennsylvania State Agricultural Society to apply scientific principles to farming. Since that time, Penn State has grown from that one campus at University Park to 24 locations statewide, and each of those other locations has its own history. Throughout this academic year, Intercom plans to highlight those histories.

By KIMBERLY GOLDEN BENNER
Penn State Lehigh Valley

Democrat Woodrow Wilson won the presidential race with a landslide victory; Native American Jim Thorpe became known as the world's greatest athlete at the Olympics in Stockholm; Girl Scouts of the United States of America was chartered; New Mexico and Arizona became America's 47th and 48th states; and the first permanent Penn State technical center was established in the attic of the Stevens School at Sixth and Tilghman streets in Allentown. The year was 1912.

During the past 90 years, the Penn State Lehigh Valley campus has seen many changes. Through this metamorphosis from humble beginnings that offered



The first permanent Penn State technical center was established in the attic of the Stevens School at Sixth and Tilghman streets in Allentown in 1912.

TLC HALL OF FAME

Professor bridges classroom, lab

By CELENA E. KUSCH
Teaching and Learning Consortium

Professor Janice Light's passion for her discipline is clear.

As she puts it, her work in the Department of Communication Disorders is designed "to improve communication skills and quality of life for the 2 million people with such severe communication disabilities that they cannot rely on their speech to meet their daily communication needs."

Light studies augmentative and alternative communication (AAC), communication that is facilitated by gestures, sign language, graphic symbols, communication boards and other technologies.

This field, she emphasizes, depends upon collaborative problem-solving. Researchers, therapists, educators, families and people with communication disorders work together every day to overcome barriers to communication through AAC strategies. For Light, the problem-solving approach is as important in the classroom as in the research laboratory.

"Teaching, research and service go hand in hand for me: Education supports the preparation of students to become future practitioners and researchers; research provides the knowledge base

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TLC

Continued from page 1

for quality education; and, of course, service is always involved when working in this field. The borders between the three are very fluid. I see them as things that very much go together," she said.

Ingrid Blood, associate vice provost, associate dean of undergraduate education and professor of communication disorders, believes that this approach makes Light an excellent teacher.

"One of Janice's strengths is that she truly can integrate her teaching with her research and service when working with AAC," Blood said. "Janice has been able to bring teaching to the forefront in her work while at the same time she is world-renowned for her research. Internationally, she is one of the most recognized experts in her field, and yet if you come to Penn State, you see that she is also one of the most creative, productive and popular teachers. She consistently receives excellent rankings on her student evaluations."

Part of Light's enthusiasm in the classroom certainly stems from the connections Light makes to developing research.

"In the area of AAC," Light explained, "the field is so new that we are developing the research and competencies at the same time. Penn State has one of the top programs in the nation, particularly in the area of children. Our students have the opportunity to see how research serves to develop the knowledge base that we teach and that they will eventually use to provide effective practice in the field. In turn, when we hit barriers in our classes and in practice, we are developing the next research questions to explore."

Linking teaching and research, Light mentors more than two dozen graduate and undergraduate student researchers, most of them supported by grants from the U.S. Department of Education, Office of Special Education Programs or the National Institute on Disability and Rehabilitation Research. Her mentoring has helped several students achieve research grants and awards, and some research projects even started in her classroom.

One of the department's current research projects, for instance, began as a small class project to study graphic symbols for young children who cannot communicate through speech or sign language.

"In the past, we have used graphic symbols developed by adults who do not have disabilities and who are able to read," Light explained. "For example, the symbol for who is traditionally a picture of a face with a question mark instead of features. That makes sense to most adults, but, of course a question mark doesn't mean anything to the children until they are literate, and then we can just use the word, who. My students wanted to learn how to develop symbols that would be more natural to the children."

As part of their class project, the students worked with a small group of 3-year-



Photo: Greg Grieco

Who: Janice C. Light, professor of communication disorders

Began teaching at the University: 1990

Research interests: Augmentative and alternative communication for individuals with severe communication disabilities, development of communicative competence and language and literacy skills, especially in children.

Teaching philosophy: "My role as a teacher is to work with students so they have the knowledge, skills and problem solving strategies required to define and achieve their own objectives in learning."

Teaching awards: 1999 Dorothy Jones Barnes Teaching Award for the College of Health and Human Development

Education: Bachelor of arts, 1977, Carleton University; bachelor of education, 1978, University of Ottawa; doctoral degree, 1990, University of Toronto.

Family: Husband David McNaughton, associate professor of special education, 10-year-old son Christopher, and 8-year-old twins Kathryn and Matthew

Hobbies: Running and playing a wide variety of sports with her children.

olds, asking them to draw abstract concepts like "who," "more," "all gone." They found consistency in the way the children conceptualized the ideas and represented them in pictures. The results suggested better ways to represent concepts graphically for small children with disabilities.

Inspired by their success in the class, the students went on to win the University graduate research fair. Their work has since expanded into a study that involves undergraduates, graduate students and a Fulbright scholar.

Like these students, all of Light's classes create their own learning plans and objectives then create individual projects they design.

"By doing self-defined projects, the students see that the work is meaningful and that they can contribute to the field," said Light. "My role is to get the students excited and inspired and to see that they have the knowledge and skills to solve these problems."

Light explains that her in-class teaching

centers on preparing students to complete projects through critical analysis of the literature and guided practice with real cases.

"The goal is not just knowledge acquisition, but to teach them to use the knowledge in real cases so they have the tools to be lifelong learners," she said.

Light ranks collaborative problem-solving strategies among the most important learning tools. She is part of the Department of Communication Disorders team, under department head Gordon Blood's leadership, working to develop a Web-based instructional module on problem-solving strategies for undergraduate classes. This project is funded by the Teaching and Learning Consortium's (TLC) Provost Program for Departmental Initiatives for Improved Learning. Light also serves as a member of the TLC Faculty Leaders Team.

In her own collaborative, problem-based courses, Light pays particular attention to assessing how well students are learning.

Hall of Fame Award nominations sought

The Teaching and Learning Consortium is sponsoring an award to recognize faculty who have had a significant impact on student learning over a sustained period.

Criteria for the award are:

■ A long-term and sustained positive impact on student learning.

■ Be well rounded in accomplishments as a University faculty member including outstanding records in teaching, research and scholarship.

■ Reflect implementation of new and innovative teaching methods such as active learning, special use of technology, problem-based learning, use of case studies, service learning, learning assessment and others.

■ Reflect special contributions to the learning community such as leading workshops and giving presentations to faculty on teaching methods.

■ Publishing papers on pedagogy, textbooks, in his/her discipline and special development and use of technology for supporting teaching.

■ Faculty receiving this award would likely have received significant University and professional society awards recognizing teaching in the past.

The TLC Planning Team will review candidates for this award and make the selections.

Awards will be made throughout the year and the recipients will be recognized with feature articles in the Intercom and other publications. Recognition also will be made at the annual meeting of Colloquy.

E-mail candidate suggestions to Gwynne Kinley at gsk7@psu.edu, along with a brief description of their background. Submissions may be made at any time.

A nomination form can be found on the Web at <http://www.psu.edu/dept/tlc/mission/facultyhofaward.html>.

She stressed that her responses to the projects are in part evaluative, but they also are designed to stimulate learning by posing further questions and helping students develop their ideas and skills. Light relies on class participation and guided practice activities as well as mid-semester course evaluations to see how well the students are learning and where she needs to make adjustments in the course.

According to Light, open-ended mid-semester questions allow the class to identify what is working well and make suggestions to improve. "I view us as a community of learners with shared responsibilities for learning," Light noted. "I always ask what I could do to improve their learning as well as what they can do to improve their learning."

Celena Kusch can be reached at csk333@psu.edu.

History

Continued from page 1

evening courses in engineering to present-day offerings of four-year baccalaureate degrees, the campus has grown and thrived, remaining the oldest continuous classroom operation away from University Park. This success can be attributed — at least in part — to the campus's ability to adapt to the changes of the times and respond to the needs of the local community.

The campus was ahead of its time from the beginning. Answering the community and the country's needs during World War I, the Penn State Allentown branch school enrolled women into the classroom for the first time. Most of the women were trained to fill positions in the drafting rooms of the Lehigh Valley's steel and cement industries left void by the servicemen who went to war.

The 1920s saw the creation of "Foreman Training" evening programs, which led to the current Management Development program. During that same time period, the Penn State Allentown branch school provided "continuation school" one day a week for young workers in silk mills and other factories in the area. Then, the Bethlehem Steel Corp. offered all of its employees the opportunity to enroll in shop and engineering courses through the campus. These business partnerships with local industries provided the support the companies needed for their employees and provided a basis for the school to grow and meet the needs of the community. Today, Penn State Lehigh Valley ranks as one of the leading providers of management development programming in the state, and prides itself on the ability to create personalized corporate business courses for any area business.

The Allentown branch school offered one year's tuition at a cost of \$30 in the three-year civil, electrical, industrial, mechanical and mining engineering evening programs since Depression-era families could not afford to send their children away to college.

In 1953, Penn State became the first major university to develop associate degrees in engineering technology, based in large part on full-time day programs Allentown had been offering since 1948. With the help of state legislators from the Lehigh Valley and the campus' advisory board, the center's mission to include a two-year baccalaureate transfer program became a reality in the mid-1960s.

It took until the merger of the Penn State Lehigh Valley campus with the Penn State Berks campus in 1997, forming Penn State Berks-Lehigh Valley College, for the campus to be able to offer several Penn State four-year baccalaureate degrees in the Lehigh Valley area.

Through the name changes — Penn State Allentown's branch school, Penn State Allentown Center and Penn State Lehigh Valley — and the location changes — a former cigar factory, boy's club and some elementary schools — Penn State Lehigh Valley has built lifelong community and business partnerships.

Today, Penn State Lehigh Valley stands on top of 40 acres of land near Fogelsville, donated by Mohr's Orchard.

Kimberly Golden Benner can be reached at hog1@psu.edu.

Hospital

Continued from page 1

lion annually on health benefits, a significant portion of which is expended in the Centre Region.

"Access for our employees to CCH — and the widest range of physicians in the community — is an issue of great importance to our institution," Spanier said.

"If Geisinger was to have a preferred arrangement with CCH, they would have a dominant influence in the provision of services as well as setting the prices for medical procedures and tests. This is not an appealing scenario in terms of service choices and cost containment for escalating health-care costs," he said.

"Moreover, Geisinger has a history of excluding certain health-care providers from their own network, operating rather independently of the rest of the medical community," Spanier said.

"We also are concerned about having a major provider and health plan from outside the Centre Region having a substantial financial stake in local health care. We much prefer an independent hospital, financed and operated locally, with any excess



Centre Community Hospital, foreground, stands in the shadow of Beaver Stadium on the University Park campus.

Photo: Annemarie Moutz

of revenue over expense staying in the community to improve facilities and enhance the quality of health care," he said. "Penn State is prepared to cooperate fully in supporting the continued financial independence of the Centre Community Hospital."

University officials have called on the Centre Community Hospital board of directors to delay action on their proposed partnership with Geisinger until there is an opportunity for local doctors

and other local interests to propose alternatives that would preserve the independent character of the hospital.

The impending agreement between Centre Community Hospital and Geisinger first became public two weeks ago during a meeting of the Penn State Board of Trustees.

"We wanted you to be aware of this information, because it could have a dramatic impact on health choices and options for years to come," Spanier said.

Letter from President Graham B. Spanier

Editor's note: The following letter was sent via e-mail to faculty and staff on the University Park campus Thursday, Jan. 24.

You may have read news reports this past week regarding concerns I have expressed about a pending arrangement between Centre Community Hospital and the Geisinger Health System. I am writing to explain why this matter is so important to Penn State and the citizens of the Centre region. I am sending this memo by e-mail because I wanted to communicate with you in the most timely fashion on an issue that will undoubtedly receive more media attention in the coming days.

Penn State donated about 30 acres of land in 1968 to help create Centre Community Hospital in State College. The covenants of the donation call for the hospital to be independent, locally controlled and accessible to all. The independence of the hospital is now threatened by an agreement being negotiated with Geisinger that would designate Geisinger as a "preferred partner" of the hospital. Although about 30 percent of the physicians in the community are affiliated with Geisinger, 70 percent are not. The overwhelming majority of physicians in the community are opposed to this preferred financial partnership with Geisinger, which could exclude the participation of some physicians in the community.

Penn State employees and retirees, along with their dependents and our students, comprise approximately one-half of the patients who annually use Centre Community Hospital. The University spends about \$80 million annually on health benefits, a significant portion of

which is expended locally. Thus, access for our employees to CCH — and the widest range of physicians in the community — is an issue of great importance to our institution.

If Geisinger was to have a preferred arrangement with CCH, they would have a dominant influence in the provision of services as well as setting the prices for medical procedures and tests. This is not an appealing scenario in terms of service choices and cost containment for escalating health care costs. Moreover, Geisinger has a history of excluding certain health care providers from their own network, operating rather independently of the rest of the medical community.

We are also concerned about having a major provider and health plan from outside the Centre region having a substantial financial stake in local health care. We much prefer an independent hospital, financed and operated locally, with any excess of revenue over expense staying in the community to improve facilities and enhance the quality of health care. Penn State is prepared to cooperate fully in supporting the continued financial independence of the Centre Community Hospital.

We have called on the Centre Community Hospital Board of Directors to delay action on their proposed merger with Geisinger until there is an opportunity for local doctors and other local interests to propose alternatives that would preserve the independent character of our hospital.

We wanted you to be aware of this information, because it could have a dramatic impact on health choices and options for years to come.



Lectures

Post-Sept. 11 challenges are topic

Journalist Thulani Davis, a senior editor at *The Village Voice*, will give a free lecture, "Gathering News When All The News is Hard," at 6 p.m. Friday, Feb. 1, in Carnegie Cinema, 113 Carnegie Building, on the University Park campus.

The event is part of African-American Heritage Month activities within the College of Communications.

The lecture focuses on challenges facing editors before and after the Sept. 11 terrorist attacks.



Thulani Davis

Investigative journalist to speak

Bob Woodward, Pulitzer Prize-winner for his involvement in reporting the Watergate scandal in the Nixon administration, will speak as part of Penn State's Distinguished Speakers Series at 8 p.m. Tuesday, Feb. 5, in Eisenhower Auditorium

on the University Park campus.

The event is free to the public, but tickets are required. Tickets are now available at the Eisenhower box office.

For information, call (814) 863-3786.



Bob Woodward

Series focuses on many health, medical issues

The College of Health and Human Development announces a number of lectures to be held from 3 to 4 p.m. Fridays in 127 Noll Physiological Research Center on the University Park campus.

The schedule follows:

■ **Feb. 8:** "Skeletal Muscle Fat Infiltration: Implications for Aging, Type 2 Diabetes and Exercise," by Brett Goodpastor, a member of the Division of Endocrinology and Metabolism in the Department of Medicine, University of Pittsburgh;

■ **Feb. 15:** "Life Outside the Ivory Tower: Scientists in the Pharmaceutical Industry," by Steve Lindberg, senior vice president and managing director, Cato Industries;

■ **Thursday, Feb. 28:** "Mechanisms of Cardiac Hypertrophy in Health and Disease," by Marvin Boluyt, assistant profes-

sor, Department of Kinesiology, University of Michigan;

■ **March 22:** "The Complex Genetic Architecture of Bone Quality," by Neil Sharkey, associate professor, Department of Kinesiology, Noll Lab Affiliate;

■ **April 5:** "Exercise-Induced Cardioprotection," by Scott Powers, professor and director, Center for Exercise Science, University of Florida;

■ **April 12:** "Exercise Quality of Life and Recovery of CD4+ Lymphocytes Following Chemotherapy," by Andrea Mastro, professor micro and cell biology, Biochemistry and Molecular Biology, Penn State; and

■ **May 3:** "The Role of Phosphorylated Proteins in Myofibril Assembly and Modulation of Contraction in Drosophila," David Maughan, professor of molecular physiology and biophysics, University of Vermont.

Discussion is on conduct disorder in children

Elia Mpofu, a member of the Educational Foundations Department at the University of Zimbabwe, will speak on "Conduct disorder in children: Treatments, options and cultural efficacy in an African setting" at 4 p.m. Feb. 6 in 209 South Henderson Building on the University Park campus.

Conference topic is e-commerce, online auctions

The School of Business at Penn State Erie and the Technology Council of Northwest Pennsylvania will co-sponsor a daylong e-Commerce Reverse Auction Conference March 7. Registration begins at 8:15 a.m. in the Reed Union Building at Penn State Erie.

In addition to reviewing a study that presents a framework for online auction success,

The event is being held by the Prevention Research Center for the Promotion of Human Development.

For information, call Celene Domitrovich at (814) 865-2616 or e-mail cxd130@psu.edu.

the conference presenters will demonstrate popular auction software.

Conference cost is \$150 per person. To sign up, call the Penn State Erie Center for Corporate and Adult Learning at (814) 898-6103 or visit the conference Web site at <http://www.techcouncil.mpsa.org/auction>. Registration deadline is March 1.

Science, technology series begins on Feb. 6

"Contemporary Issues in Science and Technology Studies," a lecture series sponsored by the Science, Technology and Society Program, will be held at 4 p.m. Wednesdays in 124 Agricultural Engineering on the University Park campus.

The series includes:

■ **Feb. 6:** Rayvon Fouche, assistant professor of science and technology studies, Rensselaer Polytechnic Institute, on "Inventing Black Inventors: African-Americans and Cultural Myths."

■ **Feb. 20:** Paul L. Rose, professor of military history and fellow in the College of the Liberal Arts, on "Heisenberg and the Nazi Atomic Bomb."

■ **March 13:** Margaret Weitekamp, assistant professor in the Women's Studies Program at Hobart and William Smith Colleges, on "What Can We Learn From 'Astronauts'? Interpreting the History of the Lovelace Women in Space Program, 1959-1963."

■ **April 3:** Ronald Kline, professor of history of technology, Cornell University, on "Two New Sciences? Debates about Information Theory and Cybernetics in the Early Cold War;" and

■ **April 17:** Alan Block, director of Jewish studies and professor in the College of the Liberal Arts, on "Environmental Organized Crime and Pollution: Wasteful Reflections."

Spring lecture series covers racism, drug battle

Racism, acquaintance rape and whether to legalize marijuana are among the topics to be explored during Pennsylvania College of Technology's Spring 2002 Lecture Series, which is now under way.

The lectures, with one exception, will be presented at Penn's Inn on the second floor of the Bush Campus Center at Penn College. The March 13 program, "Heads vs. Feds," will be presented at the Klump Academic Center. All programs begin at 8 p.m. The lectures are free to the public. The schedule follows:

■ **Feb. 26:** Preacher Moss, a writer, community activist, comedian and film maker, will present "End of Racism."

■ **March 5:** Ann Poston will present "It Can Happen to You," a discussion of a brutal acquaintance rape she experienced at the University of Richmond.

■ **March 13:** Steve Hager, editor-in-chief of *High Times* magazine and Robert Stutman, a former special agent for the DEA, will present "Heads vs. Feds," a debate on the legalization of marijuana.

■ **April 23:** Chad Pregracke, who founded the nonprofit Living Lands and Waters organization after spending two summers cleaning up a stretch of the Mississippi River, will present a program.

For information, call (570) 327-4577.

Animal influence on climate change is topic

Eric Post, assistant professor of biology, will discuss "Mammoths, Moose and How Animals Might Influence Earth's Response to Climate Change" at 11 a.m. Saturday, Feb. 2, in 100 Thomas Building, University Park.

This is the third in the 2002 Lectures on the Frontiers of Science series, "Planet Earth: Our Role in Its Health."

Post will describe how populations of wild animals and the ecosystem changes they

cause might influence the climate of the Northern Hemisphere.

The lectures will be videotaped and copies can be obtained by calling Penn State Media and Technology Support Services at (814) 863-1397.

For information, call (814) 863-8453, e-mail science@psu.edu or check <http://www.science.psu.edu/aler1/frontiers/FrontiersIndex.html>.

Soil scientist to talk about phosphorus trail

Peter Kleinman, research soil scientist, will discuss "On the Trail of Phosphorus: From the Acid Soils of Borneo to the Eutrophic Waters of New York" from 3:35 to 4:25 p.m. Friday, Feb. 1, in 101 Agricultural Sciences

and Industries Building on the University Park campus.

The host for the event is the Department of Crop and Soil Sciences.

For information, call (814) 863-1601.

Poet Hass to give 2002 Emily Dickinson lecture

Robert Hass, U.S. poet laureate from 1995 to 1997, will present the 2002 Emily Dickinson Lecture in American Poetry at 8 p.m. Monday, March 18, in Heritage Hall of the

HUB-Robeson Center on the University Park campus.

Hass is professor of English at the University of California at Berkeley.

Keep on top of the latest University news through the **Employee Newswire**.

Just go to the Web at <http://news.wires.psu.edu/> to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes employees news.



News in Brief

ATMs switch to PNC Bank

By Feb. 1, six Mellon/Citizens Bank Automated Teller Machines at the University Park campus and one Mellon/Citizens Bank ATM at Penn State Erie will become PNC Bank-owned and operated machines.

The ATMs are in the following University Park locations: HUB-Robeson Center (two ATMs in the east and west of the building), Findlay Commons, Waring Commons, The Nittany Lion Inn and The Penn Stater Conference Center Hotel.

The Penn State Erie ATM is in the Reed Student Union.

The ATM changes are related PNC Bank becoming a member of the Penn State ID+ card program. For information on the card, go to <http://www.idcard.psu.edu>.

Points for Pints

The Alumni Association, in conjunction with the Blue and White Society and the American Red Cross, will hold a blood drive from 10 a.m. to 6 p.m. Wednesday, Feb. 13, at the Hintz Family Alumni Center on the University Park campus.

All units of blood collected will benefit Points for Pints, a blood drive competition that coincides with the NCAA Division I basketball season.

Participants are encouraged to make appointments, although walk-ins are accepted. Appointments will be made in 15-minute increments beginning at 10 a.m. Those who donated blood on or before Dec. 19 are eligible to donate on Feb. 13.

To make an appointment or for information, e-mail Mary Seaton at mbs13@psu.edu.

For information on eligibility requirements or for questions about the donating process, visit the American Red Cross Web site at <http://www.redcross.org> or call (800) 54BLOOD.

Brainstorming session

The Distinguished Speakers Series Committee will hold its annual brainstorming session from 6:30 to 9 p.m. Wednesday, Feb. 20, in the HUB-Robeson Center auditorium on the University Park campus.

The session is an opportunity for all University community members to voice suggestions and ideas for the next Distinguished Speakers Series (the 2002-2003 school year). The entirety of this year's series was derived from student suggestions. The meeting will be casual.

LGBT calls for award nominations

The Commission on Lesbian, Gay, Bisexual and Transgender Equity calls for nominations for two awards.

Each year the commission recognizes the contributions of an individual within the University community who has shown



Dean Alters, from Lion Country Electric, is one of the many demolition company employees helping to take down two sections of the Nittany Parking Deck on the University Park campus. Alters is removing electrical wiring from the structure, so that the next team can come in and advance the project, which, when completed, will expand parking at the deck.

Photo: Greg Grieco

outstanding service regarding lesbian, gay, bisexual, and transgender concerns. Someone who is an active participant in improving the climate at the University is eligible for the Outstanding Service award.

The Ally Recognition award is presented to an individual within the University who is identified as an ally of the lesbian, gay, bisexual and transgender community and has shown outstanding service regarding LGBT concerns.

Nomination forms can be found on the commission's Web site at <http://www. lions.psu.edu/ligbt> or by calling the Commission office at (814) 863-7696.

Nominations should be sent to 311 Grange Building, University Park, PA 16802 by March 1.

Program offers students chance to experience Italy

A summer program offered by the Office of International Programs and the Department of Nutrition in the College of Health and Human Development will allow stu-

dents to earn course credit while experiencing the history, culture, tastes and sounds of Italy firsthand.

The International Program in Nutrition is designed to introduce the historical, cultural and scientific aspects of the Mediterranean region to those who participate, specifically as those aspects relate to food and health. The seven-week program will take place from June 3 to July 19. Participants will stay in Rome during their seven-week stay, but will visit other Italian cities and historic sites.

For more information or to apply to the program, e-mail Claudia Probrat at ckpl1@psu.edu. Information also is available in 5 Henderson Building or on the Web at <http://nutr88.hhden.psu.edu/italy/welcome.html>. Applications must be submitted by March 15.

Undergraduate and graduate students who are interested in nutrition, health, international studies, health communication, health policy, agriculture or related subjects, and nutrition and dietetics professionals who must complete continuing edu-

cation credits to maintain their certification, are encouraged to apply.

Grants fund Israel study

Freshmen, sophomores and juniors are eligible for Dorot Foundation travel grants for summer study in Israel.

Awards of up to \$1,000 will be made for qualifying academic activities on the basis of need.

Applicants should submit a description of the educational program they plan to pursue, a recommendation from an instructor as to their ability to pursue this program, a transcript, a statement of a full budget for their summer program and a financial statement documenting need.

Applications should be submitted to B. Halpern, Jewish Studies Program, 103 Weaver Building, University Park, PA 16802. The deadline is April 26. Announcement of awards will be made by April 29. Some additional funding may be available after this date.

For information, call (814) 863-8939.



Arts & Entertainment

Exhibits opened

Two art exhibits are now open at the galleries in the HUB-Robeson center on the University Park campus.

Paintings by Lori Mitchell are being exhibited through March 1 in the Art Alley. The oil paintings are the honors thesis for Mitchell, a recent graduate and Schreyer Honors College scholar.

Cheryl Aguinich is exhibiting oil paintings and wood boxes through Feb. 20 at the HUB Gallery.

Voice recital

Tenor Richard Kennedy, associate professor of voice, will present a voice recital of 20th-century British art songs at 3 p.m. Sunday, Feb. 3, in Esber Recital Hall on the University Park campus.

Admission is free to the public.

Percussion, mallet concert

The Penn State Percussion Ensemble 1 and the Penn State Mallet Ensemble will present a combined concert at 8 p.m. Monday, Feb. 4, in Esber Recital Hall on the University Park campus.

The concert is free to the public.

Bach's Lunch

The Penn State Graduate String Quartet will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Feb. 7, in Eisenhower Chapel on the University Park campus.

The 20-minute concert is sponsored by the School of Music and the University Lutheran Campus Ministry. Following the performance, audience members may take their bag lunches to Memorial Lounge of Eisenhower Chapel. Beverage is provided. The concert is free to the public.

Dance/music performance

Allied Motion, Penn State Altoona's resident dance company, will perform in collaboration with the Altoona Symphony Orchestra at 8 p.m. Feb. 7 and 8 in the Paul R. and Margery Wolf Kuhn Theatre in the Community Arts Center.

The project, "Keeping Time: Music and Movement," is Allied Motion's first collaboration with the symphony. It features the symphony's string ensemble as well as four regional musicians.

BRYCE JORDAN CENTER

Globetrotters to sink their shots in Happy Valley

The Harlem Globetrotters will perform their basketball magic at 7 p.m. Monday, March 4, at The Bryce Jordan Center on the University Park campus.

The Unforgettable 2002 World Tour marks the Globetrotters' 76th consecutive year of playing basketball and entertaining fans.

Reserved tickets cost \$21.50 and \$16. Magic Circle court-side seating also is offered.

Tickets will be available at The Bryce Jordan Ticket Center, Eisenhower Auditorium, select Uni-Mart's, Commonwealth Campus ticket outlets, by calling (814) 865-5555 or (800) 863-3336 or online at <http://www.bjc.psu.edu>.

Tickets cost \$7 for the general public and \$3 for students. For information, call (814) 949-5452 or visit the Web at <http://www.aa.psu.edu>.

'Celebration of Love'

The Chamber Singers will present the 16th annual "Celebration of Love" concert at 7:30 p.m. Saturday, Feb. 9, in the Old Main lobby on the University Park campus.

Charles Dumas, associate professor of theatre arts and African/African-American studies, and Peg French, professor emeritus of theatre arts, will read poetry on the theme of love. Nancy O'Brien Abramson, instructor in the School of Music, will play the harp and Jessica Maxey, undergraduate in music education, will play the violin.

Tickets cost \$15 and include a catered reception following the concert. For information, call Susan Spough at (814) 865-0431.

Exhibit opens Feb. 11

"Transcendent Inquiry," an exhibition of artwork, will open Feb. 11 in the McAnahan and Sheetz Galleries at Penn State Altoona.

The exhibition, which runs through March 22, includes

Gallery in New York City. Using granite on paper, collaged with stitching and classic quilting techniques, Olbert creates her version of the inner life of a rural American community.

Charles S. Prebish, professor of religious studies, gave the keynote paper at the "Buddha: Radiant Awakening" exhibition of Buddhist art at the Art Gallery of New South Wales in Sydney, Australia. The paper, titled "Buddhism in the West: From the Counterculture to Celebrity Buddhism," was followed by a one-hour dialogue on Australian national radio.

Sherry Roush, assistant professor of Italian, presented the William and Katherine Devore Lecture in Dante Studies at the University of Notre Dame. The title of her talk



Gary Perdue, a retired senior producer at WPSX-TV, has started a second career as sculpture major at the University. After creating a clay mold, he pours plaster into it.

Photo: Greg Grieco

works by Mikhail Gubin of New York and Jeff Murphy of Charlotte, N.C.

The Division of Arts and Humanities will sponsor a reception from 4 to 6 p.m. Thursday, Feb. 14. The reception is free to the public.

For information, call (814) 949-5451 or visit the Web site at <http://www.aa.psu.edu>.

PENN STATERS

Ann Marie Major, associate professor of advertising and adviser to the Lawrence G. Foster Penn State Chapter of the Public Relations Student Society of America, was honored as the nation's outstanding faculty adviser to such student groups. The announcement was made at the organization's meeting in Atlanta.

Russell Messier, professor of engineering science and mechanics, presented an invited paper to the 21st National Congress of the Mexican Vacuum Society in Mazatlan, Mexico. Titled "Preparation and Characterization of Hard Coatings," Messier's paper reviewed hard coatings in science and technology and discussed two ultra-hard materials: carbon and boron nitride.

Elizabeth Olbert, assistant professor of art, has an exhibition titled "Franklin County" at Caren Golden Fine Art

was "Dante's Ghost and the Language of Florentine Politics at the Turn of the 16th Century."

Timothy R. Smaby and **Brian L. Boscalion**, professors of finance at Penn State Erie, have earned the Chartered Financial Analyst (CFA) designation. As a result, 10 senior finance majors each year will have an opportunity to participate in the Student CFA® scholarship program. Under the program, a professor who holds a CFA Charter may sponsor up to five seniors or graduate students each year.

The Department of Communication Disorders has been accredited by the American Speech-Language-Hearing Association for an eight-year period. Through its Council on Academic Accreditation, the association endorses higher education programs that offer graduate degrees and clinical services in speech-language pathology and audiology.



University Park Calendar

February 1 - February 10

SPECIAL EVENTS

Sunday, February 10

"Reading Rainbow," 2 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

MUSIC

Friday, February 1

"The Merry Widow," London City Opera's production, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.
Janet Jackson, 8 p.m., The Bryce Jordan Center. For tickets, call (814) 865-5555.

Sunday, February 3

Faculty recital, Richard Kennedy, tenor, 3 p.m., Recital Hall, Music I.

Monday, February 4

Percussion ensemble and mallet ensemble, Dan Armstrong, director, 8 p.m., Recital Hall, Music I.

Thursday, February 7

The Penn State Graduate String Quartet, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

Saturday, February 9

"Celebration of Love," 7:30 p.m., Old Main Lobby. For tickets, call (814) 863-0431.

SEMINARS

Friday, February 1

David Partridge will address the global business outlook in the context of the "next-generation," 11 a.m., Assembly Room, The Nittany Lion Inn.

Carlos Kozemah on a subject to be announced, 11 a.m.

318 Osmond Laboratory.

Susan Kristopherson on "Can 'Walmartization' Be Stopped? Barriers to Global Retailing," 4 p.m., 301 Steidle.

Lawrence W. Young on "Paul Robeson: The Man, the Myths and the Cultural Center at Penn State," 4 to 6 p.m., 1D1 Pattee Library.

Ulrike Weckel on "Converted Collaborators: Wolfgang Staudte's Postwar Films and the German Public," 4 p.m., 102 Weaver. Sells of Borneo to the Eutrophic Waters of New York," 3:30 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Thulani Davis on "Gathering News When All the News Is Hard," 6 p.m., 113 Carnegie.

Saturday, February 2

Eric Post on "Mammoths, Moose and How Animals Might Influence Earth's Response to Climate Change," 11 a.m. to 12:30 p.m., 101 Thomas.

Monday, February 4

David Dastur on "Intramolecular [4+3] Cycloaddition: Preparation of 5,7- and 5,8-Fused Ring Compounds," 11:15 a.m., SS Osmond Laboratory.

Stanley Weintraub on "Henry Williamson, Adolf Hitler and the Obsessive 1914 Christmas Truce," 12:40 p.m., 102 Kern.

Tuesday, February 5

Ken D'Hara on "Degeneracy in a Dilute Fermi Gas and the Road to Superfluidity," 3:30 p.m., 339 Davey Laboratory.



Kristen Fitch, an undergraduate art student in the College of Arts and Architecture, constructs a lizard for her Art 230 class.

Photo: Greg Gierco

Janwei Qiu on "QCD Factorized Drell-Yan Cross Section at Large Q²," 3:30 p.m., 210 Davey Laboratory.

Christina Hood on "Antibodies May Offer New Hope for Curing Mad Cow and Other Prion Diseases," 4 p.m., SS Osmond Laboratory.

Don Kunze on "Boundary Language," 7:30 p.m., 1D1 Engineering Unit D.

Bob Woodward, 8 p.m., Eisenhower Auditorium. Tickets are available at Eisenhower Auditorium box office.

Wednesday, February 6

Anne Hawkins on "Euthanasia, Hospice and Pathography," video conference, noon to 1 p.m., 1D8 Wartik Laboratory.

Joyce Robinson on "Whose Unconscious? Black Artists and Abstract Expressionism," 3 p.m., Lipcon Auditorium, Palmer Museum of Art.

Kevin M. Cramer, information systems support consultant in Computer and Information Systems — Administrative Services

Sharon K. Donachy, administrative computer system specialist in College of Medicine, Hershey Medical Center

Edward J. Donovan, director of continuing education I in Division of Outreach and Cooperative Extension

Linda F. Enseli, director, academic advancement programs in Office of the Vice Provost for Educational Equity

Lee R. Erwin, associate director of facilities planning and

Ella Mputu on "Conduct Disorder in Children: Treatments, Options and Cultural Efficacy in an African Setting," 4 p.m., S-209 Henderson.

Rayvon Fouche on "Inventing" Black Inventors: African-Americans and Cultural Myths," 4 p.m., 124 Agricultural Engineering.

Thursday, February 7

Russell Schwartz on "Applications of Modeling and Simulation in Computational Biology," 10 a.m., 302 Pond Laboratory.

Dan Ralph on "Quantum States and Quantum Torques in Nano Magnets," 4 p.m., 117 Osmond Laboratory.

Friday, February 8

James Webb on "Reflections on Asia, U.S. National Security and The Literary Life," 11:30 a.m. to 1 p.m., The Penn Stater.

G. Minic on "De Sitter Space and String Theory," 2:30 p.m., 339 Davey Laboratory.

Brett Goodpastor on "Skeletal Muscle Fat Infiltration: Implications for Aging, Type 2 Diabetes and Exercise," 3 to 4 p.m., 127 Noll Physiological Research Center.

Theodore Krichels on "New Opportunities in Public Broadcasting," 4 p.m., 301 Steidle.

Saturday, February 9

Joseph Kiesecker on "Frogs, Toads and Other Amphibians as Indicators of Global Change: Translating Global Change into Local Species Loss," 11 a.m. to 12:30 p.m., 101 Thomas.

EXHIBITS

HUB-Robeson Center

Paintings by Lori Mitchell, through March 1.
Oil paintings and decorated wood boxes by Cheryl Aguinic, through Feb. 20.

Palmer Museum of Art

"Sam Gilliam: Recent Prints," through May 26.

"Digital work by John Paul Caponigro, through June 2.

"Devotion and Diversity: South Asian Sculpture from the Philadelphia Museum of Art," through fall 2004.

"The Geldzahler Portfolio," through Feb. 10.

Pattee and Paterno Library exhibit areas

"Celebrating Martin Luther King Jr. and Black History Month," exhibit featuring 18 posters, through March 4.

"When Two or More are Gathered Together: Groups and Composite Images from the B. and H. Henisch Photo-History Collection," through March 30.

"John Biggers," Charles L. Blockson, "Paul Robeson" and "Sketches from Todi: A Study Abroad Experience," through March 13.

Zoller gallery

Installation by Japanese artist Wantanabe Koichi, through Feb. 14.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>.

For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

PROMOTIONS

Staff

John B. Carnicella, senior research programmer in Computer and Information Systems — Center for Academic Computing

Patricia A. Cave, staff assistant VII at Penn State Harrisburg

Adam J. Cavetta, library supervisor II in University Libraries

Eleanor C. Chapman, staff assistant VI in College of Agricultural Sciences

construction in Housing and Food Services

Shawn T. Foley, instructional designer in School of Information Sciences and Technology

Sandra K. Gentzel, grant and contract accountant in College of Agricultural Sciences

Christina M. Guyer, staff assistant VII in Applied Research Laboratory

Hope M. Hamill, staff assistant IX at Penn State Harrisburg

Brian K. Heckman, marketing associate in Division of Outreach and Cooperative Extension



Black History Month

The Penn State community will celebrate Black History Month in a number of ways. Observations and activities include:

Altoona

- **Monday, Feb. 4:** Black History Month Opening Celebration, 4 p.m., Slep Student Center;
- **Thursday, Feb. 7:** Black History Jeopardy Challenge, 8 p.m., Slep Student Center;
- **Tuesday, Feb. 12:** Black Student Union Night at the Movies, 9 p.m., Slep Student Center;
- **Wednesday, Feb. 13:** "The Black Male: Faces in Search of Success," 7 p.m., Slep Student Center;
- **Tuesday, Feb. 19:** Black Student Union Night at the Movies, 9 p.m., Slep Student Center; and
- **Friday, Feb. 22:** "Relationships in the New Millennium" with Judith Thomas, 7:30 p.m., Slep Student Center.

Berks

- **Thursday, Feb. 14:** Barry Anthony will present a collection of slavery relics relating to his lecture regarding 19th century human relations, 7:30 p.m., Perkins Student Center auditorium;
- **Tuesday, Feb. 19:** "The Gathering: A Hip-Hop Journey to the Meeting Places of Black Men," by Will Power, 7:30 p.m., Perkins Student Center auditorium;
- **Monday, Feb. 25:** "Lean on Me," 9 p.m., Perkins Student Center multipurpose room; and
- **Wednesday, Feb. 27:** Joe Clark, former principal of New Jersey's Eastside High School, will speak at 7:30 p.m. in the Perkins Student Center Theatre.

Delaware County

- **Feb. 15-March 15:** "Faces of West Africa," a photography exhibit of the work of Michael DeKossa, John D. Vairo Library. DeKossa will give a gallery talk from 4 to 6 p.m. Feb. 15.

DuBois

- "Eyes on the Prize," the award-winning series chronicling the struggle for civil rights in the United States, noon, Hiller Building Auditorium. Admission is free to the public.
- **Monday, Feb. 4:** "The Time Has Come" (1964-69);
- **Wednesday, Feb. 6:** "Two Societies" (1965-68);
- **Monday, Feb. 11:** "Power" (1966-68);
- **Wednesday, Feb. 13:** "The Promised Land" (1967-68);
- **Monday, Feb. 18:** "Ain't Gonna Shuffle No More" (1966-72);
- **Wednesday, Feb. 20:** "A Nation of Laws?" (1968-71);

Monday, Feb. 25: "The Keys to the Kingdom" (1974-80);

Wednesday, Feb. 27: "Back to the Movement" (1979-mid '80s);

■ **Friday, Feb. 8, and Sunday, Feb. 10:** "The Best Man," noon and 7:30 p.m. Friday, and 2 p.m. Sunday, Hiller Building Auditorium; and

■ **Friday, Feb. 15, and Sunday, Feb. 17:** Film "To Kill a Mockingbird," noon and 7:30 p.m. Friday and 2 p.m. Sunday, Hiller Building Auditorium.

Admission is free to the public.

Harrisburg

- **Sundays, Feb. 3, 10, 17 and 24:** Latin dance lessons, 2 to 4 p.m., Student Center of the Capital Union Building;
- **Mondays, Feb. 11 and 18:** "Fashions and Frenzy," modeling and dance workshop, 4:30 to 6 p.m., Olmsted Auditorium;
- **Monday, Feb. 18:** "Blacks and Jews," continuous loop video, from noon, Oliver LaGrone Cultural Arts Center;
- **Tuesday, Feb. 19:** "Blacks and Jews," presentation and exhibit by Betty Sorvin, 11 a.m. to 2 p.m., Morrison Gallery;
- **Wednesday, Feb. 20:** "Ethnic Hair — A Tribute to Madame C.J. Walker," workshop/presentation, noon, Morrison Gallery;
- **Wednesday, Feb. 20:** John W. Scott memorializes his grandfather, John Paul Scott, an African-American leader in the Harrisburg community, noon, Penn State Downtown Center. For details, call Judith Banks-Baumbach at (717) 783-0433;
- **Thursday to Saturday, Feb. 21-23:** The 30th Annual Penn State Harrisburg Model United Nations will be dedicated to the life and work of Ralph J. Bunch, U.N. under secretary and special representative during the Congo Crisis, Student Center, Capital Union Building;
- **Monday, Feb. 25:** "Multicultural Fashion Extravaganza," noon to 2 p.m., Student Center of the Capital Union Building;
- **Tuesday, Feb. 26:** Naturally Seven, an a cappella group, noon, the Gallery Lounge;
- **Tuesday, Feb. 26:** "Diverse Gender Issues," Fredrika M. McKain will present a short video, noon, the Penn State Downtown Center. For details, call Judith Banks-Baumbach at (717) 783-0433.
- **Thursday, Feb. 28:** "Blacks and Jews," a panel discussion featuring professors Clem Gilpin and Louise Hoffman, 1 p.m., Gallery Lounge.

Penn College

- **Tuesday, Feb. 5:** Blues Works, 8 p.m. Coffee House;
- **Sunday Feb. 24, and Monday, Feb. 25:** Film, "O," 8 p.m., Penn's Inn; and

■ **Tuesday, Feb. 26:** "The End of Racism Comedy and Lecture Tour," presented by Preacher Moss, 8 p.m., Penn's Inn.

Schuylkill

- **Throughout February:** An exhibit celebrating Black History Month will be on display in the Cletti Library.
- **Thursday, Feb. 7:** Michael Eric Dyson, professor of communication studies and director of the Institute of African-American Studies at the University of North Carolina-Chapel Hill, will lead a discussion on his recent book: *Reflecting Black: African-American Cultural Criticism*, 7:30 p.m., Morgan Auditorium.
- **Thursday, Feb. 21:** United Minority Leaders Fashion Show, 8 p.m., Morgan Auditorium.
- **Tuesday, Feb. 26:** "The Word in Song," 7:30 p.m., Morgan Auditorium.

Shenango

- **Tuesday, Feb. 5:** A multimedia presentation, "Sisters and Voices," 7:30 p.m., auditorium;
- **Tuesday, Feb. 12:** "He Got Game," 7:30 p.m. Feb. 12;
- **Tuesday, Feb. 19:** "The Hurricane," 7:30 p.m. Forker Lab Forum; and
- **Tuesday, Feb. 26:** "Remember the Titans," 7:30 p.m., Forker Lab Forum.

University Park

- **Through Mar. 17:** "Contemporary and Historical Black Dolls," exhibited in the Robeson Gallery;
- **Friday, Feb. 1:** Lecture featuring Thulani Davis, 6 p.m., Carnegie Cinema;
- **Saturday, Feb. 2:** Touch of Africa, 6 p.m., President's Hall, The Penn State Conference Center Hotel. For ticket information, call (814) 861-2149;
- **Sunday, Feb. 3:** African-American Read-In, 4 p.m., Heritage Hall;
- **Monday, Feb. 4:** "African-American Students and Academic Identities," Signithia Fordham, noon, 115 EE West;
- **Monday, Feb. 4:** Film, "Lumumba," 7 p.m., Heritage Hall;
- **Wednesday, Feb. 6:** "Whose Unconscious? Black Artists and Abstract Expressionism," lecture, 3 p.m., Palmer Museum of Art;
- **Saturday, Feb. 9:** Ms. Black Penn State Pageant, 6 p.m., Schwab Auditorium;
- **Monday, Feb. 11:** "Legacy," 7 p.m., Heritage Hall;
- **Wednesday, Feb. 13:** "Ancestral Legacies: Art and the Black Power Movement," 3 p.m., Palmer Museum of Art;
- **Wednesday, Feb. 13:** Diversity in International Study, 5:30 p.m., 304 HUB-Robeson Center;

■ **Friday, Feb. 15:** "Showtime at the Apollo," 9 p.m., Heritage Hall;

■ **Monday, Feb. 18:** Film, "One Drop Rule," 7 p.m., Heritage Hall;

■ **Wednesday, Feb. 20:** "Matters of Race and Culture: Art and Identity in the 1980s and 1990s," lecture, 3 p.m., Palmer Museum of Art;

■ **Thursday, Feb. 21:** "Reflections on the Meaning of Malcolm X's Life," 7 p.m., Pollock Commons;

■ **Friday, Feb. 22:** Mr. Black Penn State Pageant, 7 p.m., Schwab Auditorium;

■ **Wednesday, Feb. 27:** "What's Color Got to do with it? Sam Gilliam and Carrie Mae Weems, lecture, 3 p.m., Palmer Museum of Art; and

■ **Wednesday, Feb. 27:** Lecture featuring Rebecca Walker, 8 p.m., Heritage Hall.

Wilkes-Barre

- **Friday, Feb. 8:** W. Terrell Jones, vice provost for educational equity, will speak to faculty, staff and students from noon to 1 p.m. in Bierly Auditorium of the Science Building.

Worthington Scranton

- **Throughout February:** An exhibit of posters featuring prominent African-Americans throughout history will be on display in the Study Learning Center Quiet Lounge. For information, call (570) 963-2700.
- **Throughout February:** The library will feature books, audiotapes and films by and about African-American men and women. This display will include a selection of materials on the late Martin Luther King Jr.
- **Tuesday, Feb. 5:** "A Look at the History of African-American Cinema," presented by Philip J. Mosley, associate professor of English, communication and comparative literature, 4 p.m., 14 Dawson Building.
- **Friday, Feb. 8:** African Resurrection, an African heritage dance ensemble based in Baltimore, noon, Study Learning Center. The event is free to the public.

York

- **Throughout February:** "Black Women: Achievements Against the Odds" exhibit, 8 a.m. to 8 p.m. Mondays through Thursdays, 8 a.m. to 5 p.m. Fridays, 9 a.m. to noon Saturdays, outside the Conference Center;
 - **Thursday, Feb. 7:** African Resurrection presents "African Dance and Drums," 7:30 p.m., Conference Center; and
 - **Thursday, Feb. 21:** "1,001 Black Inventions," presented by the Pin Points Theatre, noon, Conference Center.
- All programs are free to the public.



Private Giving

\$2.5 million pledge a hit for new baseball facility

The University has received a pledge of \$2.5 million from alumnus Anthony P. Lubrano, a member of the Penn State baseball squad under Coach Chuck Medlar, as the lead gift for a new facility for the Nittany Lion baseball team.

Lubrano's gift is a significant step in the construction of a new baseball facility, which is projected to cost approximately \$5 million. The gift is the second largest made by an individual to support an athletic facilities project.

Plans call for the new facility to be built in the same location as Beaver Field, the Lions' present home. The new stadium would have 2,000 to 3,000 seats, concession and picnic areas, locker rooms, a press box

and lights, permitting night games for the first time. Beaver Field has a capacity of 1,000 in the stands and standing-room-only baselines often are filled during the season.

Lubrano is a 1982 graduate and president of A.P. Lubrano & Co. Inc., a financial services company located in Lionville.

A new baseball facility on the University Park campus not only would provide a major boost to the Nittany Lion program, but also would provide opportunities for the University to play host to high school, PIAA and NCAA Tournament competition.

The timetable for stadium construction will be based upon the identification of additional contributions for the project.

Gift aids programs for disadvantaged students

Alumni John and Micheal Mihm West of Tampa, Fla., have committed \$125,000 of the College of Education to support programs that encourage disadvantaged students to pursue postsecondary education.

The John and Micheal West Endowed Fund will support further development of educational programs for at-risk students, primarily the Penn State Educational Partnership Program (PEPP). At-risk students are considered those who have the potential to succeed in higher education and who may have social and emotional, as well as economic, barriers to overcome in order to achieve academic excellence during their middle and high school years.

John West graduated from the University in 1978 with a bachelor's degree in civil engi-

neering and Micheal Mihm West earned her bachelor's degree in accounting from the University in 1983.

PEPP is an early-intervention collaboration between Penn State and selected Pennsylvania school districts, developed to help at-risk youths improve their chances for successful employment in later life. It seeks to encourage hope among students by increasing self-esteem, social skills and career awareness. The program is designed to heighten parental awareness of the value of education; and to educate aspiring teachers about how they can serve at-risk students in culturally diverse classrooms. In the past 12 years of operation, about 1,400 middle and high school students from Philadelphia, Reading and McKeesport have participated in the program.

Gift establishes retail leadership lecture series

Melvin Jacobs spent his whole career in retail.

He took a leadership role in the industry and, to this day, he is highly regarded by counterparts in the industry as an intellectual, retail innovator, patron of the arts, traveler, mentor and friend.

The 1947 graduate of the University rose through the ranks of the retail industry to become chairman and chief executive officer of Saks Fifth Avenue, and a new leadership series, named in his honor, has been established at the Smeal College of

Business Administration. "The Melvin Jacobs Retail Leadership Series" will support lectures by outstanding leaders and chief executives who are shaping the future of the retail industry.

Jacobs' widow, Rosalind "Roz" Jacobs, and daughter, Peggy Learner, contributed \$250,000 to establish the fund.

After retiring from Saks, Jacobs started a retailing and investment company called Retail Options Inc., and joined the board of QVC Network Inc., the television shopping service.

practices that will keep children safer while traveling.

Her presentation is part of the spring parenting series.

The fee is \$5. To register, call (814) 865-3085 or go online at <http://www.ohr.psu.edu/health/home.htm>.

Kellogg LINC mini-grant awardees announced

By GARY CRAMER
Public Information

The Leadership for Institutional Change (LINC) initiative, a partnership of the University and Cheyney University of Pennsylvania that is funded by the W.K. Kellogg Foundation, has awarded nine diverse teams with mini-grants for projects that address campus and community concerns.

The awards range from \$2,200 to \$5,500 and the total amount awarded for this latest round of grants was \$34,702. This is the second year that the mini-grants have been awarded to groups at the University that provide a driving force for leadership and change.

The following teams were awarded funding for the period of Nov. 30, 2001, through June 30, 2003:

■ **Penn State York Early Awareness:** Aims to increase the retention rate of high school students from York school district by their participation in a weeklong summer program.

■ **Community Leadership Development Program of Gettysburg/Adams County:** This effort by Adams County Cooperative Extension, College of Agricultural Sciences, focuses on working with local municipalities to develop a cadre of citizen volunteers who will foster intergovernmental cooperation. The long-term goal is to develop a continuing stream of young leaders who will provide guidance to governmental, nonprofit and educational boards.

■ **Leveraging Faculty for Leadership Development:** The Schreyer Honors College is engaging more University faculty in teaching courses devoted to leadership development and/or incorporating more leadership content material into pre-existing undergraduate courses. The major strategy used in this project will be to pay faculty expenses for short, intensive seminars on the subject matter at major think tanks in Washington, D.C.

■ **Community Built Sustainable Housing — An Interdisciplinary Service Learning Course:** The Schreyer Honors College is examining alternative building methods with a focus on load-bearing strawbale technology. Students in Architectural Engineering 497H will design and lead the construction of a community-built structure, the Strawbale Design and Learning Center on the Northern Cheyenne Indian Reservation in Montana.

■ **Penn State Rural Nursing Connection (PSRNC) — Early Childhood and Family Assessment and Health Promotion Initiative:** LINC funding will help the School of Nursing's multi-site nursing center network to further develop outreach and service-learning initiatives in the 10 medically underserved areas where its programs are

taught. Outreach initiatives include students from nursing and other health-related disciplines.

■ **Intergenerational Program:** This initiative is a partnership between the early childhood programs of the University's Department of Human Development and Family Studies, Cooperative Extension, the Gerontology Center and the Community Academy for Lifelong Learning. The program aims to foster interactions between children and senior adults in Centre County, and to provide training opportunities for students, faculty and other professionals.

■ **New Kensington Youth Leadership Program:** A Penn State New Kensington effort to increase participants' knowledge and skills related to leadership, negotiation and conflict resolution, and team dynamics through the design of a team project that addresses a community issue. Participants identify their leadership style recognizing both their strengths and weaknesses, and use a framework for decision-making that includes legal, ethical and moral elements.

■ **Global Understanding:** The Hubert H. Humphrey Fellowship Program is launching a project, "Introducing an Old Community in a New Setting: Global Understanding," to immerse a group of 15 high school students in issues and agendas of a global nature that are likely to impact both their personal and professional lives in order to prepare them for broader citizenship and leadership responsibilities.

■ **Penn State Lehigh Valley Institute for Emerging Leaders:** Provides promising high school juniors who might not otherwise have the opportunity with leadership education, training and perspectives on social and ethical issues. It is anticipated that the students will develop links to the community and the University and have an impact on the community through a service project.

The Kellogg LINC Project Design Team includes Sharon Cannon, assistant to the provost for special projects at Cheyney University, and John A. Brighton, University professor with the Teaching/Learning Consortium and executive vice president and provost emeritus; David V. Day, associate professor of psychology; Carol L. Everett, associate director of the Center for Quality and Planning; Barbara L. Gray, professor of organizational behavior; Judith A. Kolb, associate professor of education; and Louise E. Sandmeyer, executive director of the Center for Quality and Planning.

For information, visit <http://www.psu.edu/president/cqi/LINC/awardees2002.htm>.

Gary Cramer can be reached at guc104@psu.edu.

COURSES

Health Matters

Jill Seigworth, certified child passenger safety technician, will present "Precious Cargo" at noon Wednesday, Feb. 6, at 125 Reber Building on the University Park campus.

Seigworth will provide information about correct installation of car seats and other

Appointments

Faust appointed to University Libraries' Development Office

Christine Faust recently joined the University Libraries' Development Office as assistant director of development.

She is responsible for donor cultivation and stewardship.

Faust brings six years of experience as the director of development for The Second Mile, which provides a network of prevention, early intervention, and community-based child development programs and services free of



Christine Faust

charge to school-aged children.

Before that, she served as conference planner in Conferences and Institutes, a unit of the Division of Continuing Education. For 10 years, she worked in various capacities at WFSX-TV, including assistant director of "What's in the News" and as on-air fund-raising producer.

Faust graduated from the University with a bachelor of arts in journalism.

Commonwealth College appoints grant relations manager

Lisa Wiedemer has joined the Commonwealth College as manager, college grant relations.

Primarily focusing on public funding, Wiedemer will identify and create relationships with potential funding sources, identify funding needs and program possibilities within the college, and prepare proposals for competitive funding. She also will design and conduct proposal-writing workshops for faculty members on all 12 Commonwealth College campuses. To fulfill these functions, she will work closely with the Division of Development and Alumni Relations and the Office of Sponsored Programs.

Wiedemer joined the University from

Juniata College where she served for two years as associate director of development/foundations and corporations. Before that, she spent eight years at Central Florida Community College where she worked as grants manager and college relations manager.

Wiedemer also has nine years of newspaper writing experience, having worked at the *Ocala Star Banner* in Florida and *The Messenger* in Madisonville, Ky.

Wiedemer holds a bachelor of science degree in journalism from Ball State University and a master of arts degree in mass communications from the University of Florida.

Head librarian named to post at Penn State Shenango

Penn State Shenango has hired Paul A. Arrigo as its head librarian.

Arrigo will be responsible for the overall library administration including instruction, planning and development, staff supervision, and close involvement with students, faculty, community and the University Park campus library.

Before coming to Shenango, Arrigo was the reference coordinator/government documents and electronic service librarian at Washburn University School of Law. At Washburn, he created and maintained the Law Library's Federal Document Web site "Doc-Law." He also has



Paul A. Arrigo

worked at the Texas State Library as a reference librarian. From 1997-1998, Arrigo held the appointment of chair of the Government Documents Special Interest Section of the American Association of Law Libraries.

He is a member of the Government Printing Office Depository Library Council, which issues the Public Printer on advisories affecting Federal Depository Libraries.

Arrigo graduated from Creighton University, where he received a bachelor's degree in theology in 1984. He received a master's degree in library and information science from the University of Texas at Austin in 1990.

Penn College names police chief who assumes position Feb. 25

Pennsylvania College of Technology has chosen Chris Miller to serve as chief of the Penn College Police.

Miller, who currently is chief of the Mountsville Borough Police force, will begin his duties at Penn College on Feb. 25.

A graduate of Mountsville Area High School, Miller attended Penn College's predecessor, Williamsport Area Community College, as an electrical technology stu-

dent before leaving to pursue a career in law enforcement. Miller was hired as a police officer by Mountsville Borough in October 1981. He was named police chief for the borough in January 1995.

Miller, who will supervise a staff of 14 officers at Penn College, has received training in drug enforcement, motor-vehicle-accident reconstruction, fire prevention and investigation, and police supervision and management.

Distance Education Center moves, expands publication of journal to 4 issues annually

The University's American Center for the Study of Distance Education is moving and expanding this year.

The center's two major functions will be transferred and expanded in new locations.

The research, teaching and conferences arm will remain housed in the College of Education, but it will be administered under the Center for the Study of Higher Education, directed by J. Fredericks Volkwein.

Publication of the *American Journal for the Study of Distance Education* now will be done by Lawrence Erlbaum Associates Inc. It will be produced four times per year and include an online version. Michael Grahame Moore, who founded the center, continues as the journal's editor.

Moore, associate professor of adult education, opened the center in 1986 with support from then-dean of the College of Education Henry Hermanowicz and the University's central administration. It was the first of its kind

in the United States. Soon thereafter he published the first distance education journal in the United States and held the first distance education conference in the nation.

Initially the center acted as a hub to establish and grow a national network of academics and practitioners in the field and to facilitate communication between those who study distance education in the United States with their overseas contemporaries. Over the years, the center has expanded its efforts, providing consultation to national and local bodies, developing distance education courses and incorporating distance education into existing systems. It has become recognized as a clearinghouse for information and research on developments in distance education.

While Moore will continue on the University's faculty, he will retire from his position as director of the center, in part to write about his life's work in the field.

Nominations sought for honorary degrees

The Committee on Honorary Degrees is seeking assistance as they develop a list of potential recipients of an honorary doctoral degree from the University.

The list will include eminent scholars, performers, artists, and practitioners in academic fields, and individuals who have made particularly distinguished contributions to society in areas such as public service, business or government.

The guidelines, developed and approved by the Board of Trustees include the following criteria for eligibility for an honorary degree:

- Sustained achievement and distinction of national or international significance in an activity consonant with the mission of the University.

- The nomination of individuals whose achievements and distinction have not been similarly recognized by a number of other institutions is encouraged.

- Alumni of the University are eligible.

- Persons serving as administrators, faculty or staff of the University are not eligible, nor are persons currently serving as members of the Board of Trustees, as officials of the Commonwealth of Pennsylvania and its subordinate units or members of the Legislature, during their terms of office; nor are spouses or immediate family members of the foregoing persons eligible.

All nominations are welcome. However, the committee asks that that individuals don't tell the nominated candidate since the process is designed to be confidential and only a small portion of those nominated are ultimately selected. Nominations should include the name and a short biography if one is readily available. Send nominations to Janis Jacobs, vice president for administration, 201 Old Main, University Park, PA, 16802 or via email to je6@psu.edu by Friday, March 22.

Updates to Framework implementation reviewed

In response to the commitment stated in A Plan to Enhance Diversity at Penn State, each strategic planning unit was requested by Executive Vice President and Provost Rodney Erickson to describe their progress in implementing the Framework to Foster Diversity: 1998-2003. Specifically, they were asked to provide an update on the activities they had initiated for each challenge. These updates were sent to Terrell Jones, vice provost for educational equity, in mid-December.

Four review teams have been identified and charged with evaluating each unit's progress and providing suggestions. The teams are composed of representatives

from Black Caucus; the Forum on Black Affairs; Faculty Senate; the Commission on Racial/Ethnic Diversity; the Commission for Women; the Commission on Lesbian, Gay, Bisexual and Transgender Equity; Undergraduate Student Government; and Commonwealth College.

After receiving feedback from the teams, which is expected this semester, each strategic planning unit will have the opportunity to incorporate the suggestions and provide revised updates before the documents are made public. The final step in the process will be the development of "best practices" for responding to each of the seven challenges.



Focus on Research

Analyzing marksmen's aim may aid tremor patients

By BARBARA HALE
Public Information

A new approach to analyzing the steadiness of a marksman's aim, developed by researchers from Penn State and the University of Verona, Italy, eventually may be useful in diagnosing and monitoring tremors in patients with neuro-muscular disorders.

Joseph P. Cusumano, associate professor of engineering science and mechanics, said, "The analyses that we are developing, with cooperation from the members of an Italian air pistol team, may enable us to develop a sort of steadiness profile or body tremor 'fingerprint' for any individual. Such a 'fingerprint' can be useful in a clinical setting to diagnose and track the progression of a neuro-muscular disorder or injury, or the recovery from such a disorder or injury."

He added, "The key thing — and what is new about our approach — is that the profile we generate is based on an analysis of an individual's movement while they are accomplishing a specific task, namely, aiming. Most previous work, for example, with Parkinson's patients, has looked at tremor independent of any task — without, as it were, any context."

The new procedure allows the researchers to evaluate an individual's athletic and understand the specific configurations in which they hold their limbs to maximize the way in which the natural tremor in their body is controlled when they aim at a target. Cusumano worked on the project with his co-investigator, Paola Cesari, director of the Movement Science Laboratory, University of Verona, Italy.

Cusumano explained that everyone, even the steadiest marksman, experiences unavoidable, inherent body tremor. People can minimize or amplify the way this natural movement affects their pointing accuracy by positioning their limbs in a variety of ways — some positions being more or less effective than others. The new analysis technique, developed by Cusumano and Cesari, allows the researchers to use video cameras to col-



Joseph P. Cusumano, associate professor of engineering science and mechanics, has studied how the steadiness of a marksman's aim may have applications in diagnosing and tracking the progression of a neuro-muscular disorder or injury.

Photo: Greg Grieco

lect movement data from a person shooting at a target, reduce the person's movements to their basic elements and then explain how and why tremor varies as the person adjusts his or her joint angles to try to maintain a steady aim.

In their approach, Cusumano and Cesari have combined a method of statistical data analysis, called Principal Component Analysis, with stability analysis which relates tremor in the body joint positions to tremor of the target point.

The researchers found that all shooters, expert and non-expert alike, have one dominant pattern of movement which corresponded, at the target, to relatively large movements left to right and relatively small movement vertically. "Since even nonexperts, such as me, did pretty much the same thing, this suggests that these

basic movements are related to our bio-mechanical nature, not to skill per se," Cusumano said.

However, higher scoring marksmen tended to hold their limbs in one of only a few consistent, coordinated patterns. These favored positions were such that the natural tremor in the body was strongly decreased in its effect on motion at the target. "While the number of coordinated movement patterns needed to accomplish a given task indicates an individual's level of coordination, increased stability or control at the target is related to a subject's ability to couple his or her motor coordination with the perception of the target," he added.

Barbara Hale can be reached at
bah@psu.edu

Powerful mini motor is size of rice grain

By ANDREA MESSER
Public Information

While the age of nanobots is not with us yet, a tiny, inexpensive motor with simple circuitry and easy manufacture, may become the motive force in micromedical applications in the near future, according to a University engineer.

The smallest of these ultrasonic, piezoelectric motors developed by researchers at the Materials Research Institute is about the size of a grain of rice. They are 1.8 millimeters in diameter and 4 millimeters long. Tiny, but powerful, the smallest motor's rotation can just be stopped with the pressure of thumb



and forefinger, but those only slightly larger will tear the skin and draw blood.

"Initially, our applications for these motors are aimed at medical uses," said Kenji Uchino, professor of electrical engineering. "Because the motors are so small, and can be manufactured so cheaply, they appear ideal for applications where small diameter, disposable instruments are required." Some of these applications include specialized urinary catheters and endoscopic instruments.

Besides medical applications, they could function in appliances, computers and even wrist watches.

The researchers have fabricated the prototype motors from readily available materials, because they want to be able to mass produce the motors inexpensively. Each motor consists of a hollow metal tube, two sides flattened at 90 or more degrees. Two strips of PZT, a lead zirconate titanate that is piezoelectric, are fastened to the flattened areas. This tube becomes the motor's stator. Inside the tube, the rotor consists of a rod held down with a spring or just a spring. Piezoelectric materials deform when an electrical volt age is applied to them. By deforming the strips on the outside of the stator, the tube wobbles. This wobble causes the rotor to spin and the motor to move.

Uchino; Burhanettin Koc, Kirkcaldie University, Turkey and Serra Cagayati, graduate student in the University's intercollege program in materials, have applied for a provisional patent on the smaller motor. Uchino and IMRE-Singapore National Institute hold the patent for an earlier piezoelectric motor design.

Andrea Messer can be reached at
aem1@psu.edu.

Survival of quaking aspen groves remains complex problem in West

Quaking aspen groves in the American West have been on the decline since the beginning of serious settlement and exploitation, but recent studies of California aspen by University geographers suggest that the aspen decrease is more complicated than previously thought.

Quaking aspen, the most widely distributed tree in the northern hemisphere, is found from coast to coast in a band that includes northern California, the Rocky Mountains, Wisconsin, upstate New York and New England. Beside being noted for their shimmering leaves and the golden color they turn in the fall, aspen are unusual because they grow as clones, putting out vegetative shoots rather than forming seeds.

Assumptions for the decline of the intermountain aspen stands

include the suppression of frequent fires, increased livestock grazing, and increased and concentrated herds of native herbivores.

Dong Ko, a recent University graduate with a master's degree in geography, and Alan Taylor, professor of geography, studied 20 aspen groves on the California side of the Lake Tahoe Basin. The researchers identified the ages of the trees in the stands and the types of trees found.

"Because aspen are clones and regenerate vegetatively, some of the groves are 8,000 years old," Taylor said. "Aspen have rarely been observed to regenerate from seed, however they did after the recent Yellowstone National Park fires."

The researchers suggest that it may take a major event, such as a massive fire, to force the trees to reproduce sexually.

Department of Public Information
312 Old Main, University Park,
PA 16802

Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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A room with a view



Thanks to Melanie Eger, occupants of 401 Old Main on the University Park campus no longer see a blank wall when they look out their windows. The junior art student has brightened the wall with a mural depicting what they would see if the wall weren't there.

New mural offers view of Old Main lawn

A new mural on campus offers a view of Old Main lawn as seen through the eyes of Melanie Eger, a junior art student in the College of Arts and Architecture. The mural, located on a wall directly outside the windows of 401 Old Main, depicts what one would see when looking out the office windows if the wall were not blocking the view.

"The inspiration came from the bell tower," said Eger. "I had been up there on a campus tour and the view from up there is spectacular ... I wanted to do a reproduction of the view that the people in the office would have if the wall were not there."

Paul Peworchik, coordinator of information and administrative systems in Old Main, had been searching for someone to paint the mural for a few years, ever since the department received approval for it from Provost Rodney Erickson. A chance meeting between Peworchik and Eger made it possible for the mural to become a reality.

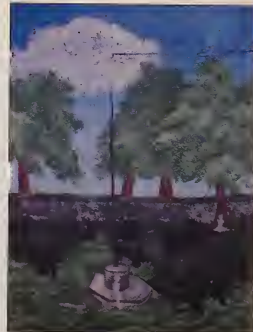
Peworchik worked with the Office of Physical Plant to prepare the area for the mural and helped Eger get approval to receive independent study credits for her work since the project was not a class assignment.

Eger met with members of the office staff to come up with ideas for the mural, which took more than five months to complete. She plans to add a few more features, including a pond and fish, although these things do not exist on Old Main lawn.

According to Peworchik, the mural has had a very positive impact on the people in the office, particularly on cold, dreary days.

No matter what the weather, "I always see green grass, students on Old Main lawn and kids throwing Frisbees," said Peworchik.

Eger's future plans include pursuing a career in painting and obtaining a master of fine arts degree.



The work in progress shows one of the flagpoles on the Old Main Lawn.



Intercom

INFORMING THE PENN STATE COMMUNITY

MAR 19 2002

FEBRUARY 7, 2002

THE HISTORIES OF PENN STATE

Founded to save the trees

Penn State Mont Alto was one of the first forestry schools in the nation

Editor's note: Most people know the history of Penn State as that of a school chartered in 1855 at the request of the Pennsylvania State Agricultural Society to apply scientific principles to farming. Since that time, Penn State has grown from that one campus at University Park to 24 locations statewide, and each of those other locations has its own history. Throughout this academic year, Intercom plans to highlight those histories.

By HOLLY CIERI
Penn State Mont Alto

In May 1903, the governor of Pennsylvania established the Pennsylvania State Forest Academy in Mont Alto. It was one of three forestry schools in the nation, after Yale and Biltmore, respectively. Joseph T. Rothrock, an arctic explorer, botanist and medical

History, page 2

Senate votes to add seats for retired faculty

By ALLISON KESSLER
Public Information

Retired faculty members may soon find representation in the Penn State Faculty Senate (thanks to a constitutional change approved by senators in their first meeting of the new year on Jan. 29).

The Senate moved to add two elected retired faculty to its body, pending approval by President Graham B. Spanier. The changes provide that one retired faculty senator will sit on the committee on faculty affairs and the other on the committee on faculty benefits. There are issues addressed in both of these committees that have implications for retired faculty. The positions were created to better serve both the retired faculty population and agenda issues in the Senate itself.

According to the new procedures, the senate office will obtain a list of retired faculty members from the last 10 years who are living in Pennsylvania and contiguous states. This list will be compared with the names of those who served on the senate before their retirement. These former senators will be asked whether they wish to stand for election.

Consenting people will be listed on the final ballot, along with an option marked "other." The ballot will be made available to all current and retired faculty, thus enabling other members of the retired population to participate in the election.

Other business brought before the Senate included informational reports on the status of students who change campus locations, the recruitment and retention of women and minority faculty, and an update on classroom conditions.

Senators also were given an update on the World Campus, which completed its third full year of operation following the 2000-01 academic year. In that year, course enrollment rose to 5,119, with a

Public television prepared to go digital

By CELENA E. KUSCH
Outreach Communications

Across the nation, television is developing into a technology for the 21st century. That spells change for WPSX-TV (Channel 3), the University's public television affiliate.

Federal Communications Commission (FCC) guidelines require all television broadcasters to be ready for digital broadcasting by May 2003. Digital television (DTV), the new broadcast standard, will replace the current, 50-year-old analog television system.

Not all stations, however, will be ready to make the change. Public Broadcasting System (PBS) officials estimate that as many as one-third of the 347 PBS stations nationwide may miss the deadline and lose their broadcasting licenses.

At Penn State, WPSX-TV already has begun pilot tests of its new digital transmitter, but station equipment is just the beginning of the conversion to DTV.

Nearly \$20 million will be invested in Penn State Public Broadcasting in order to meet the 2003 deadline. The station plans to raise \$2 million from private donors through the two-year Campaign for Penn State Public Broadcasting. In addition, the state and federal govern-



Fred Gadomski, instructor of meteorology, is on the air for the show "Weather World," one of several shows produced in the WPSX-TV studio on the University Park campus. The station is gearing up to go all-digital by May 2003.

Photo: Greg Grieco

History

Continued from page 1

doctor founded the academy to train men for service in the state forests. Rothrock also was professor of botany at Penn State from 1867-69, and later taught at the University of Pennsylvania. Nearly 100 years later, the Forest Academy, now Penn State Mont Alto, still educates America's foresters, as well as students in many other academic programs.

Ironworks furnaces, which were plentiful in Pennsylvania until roughly 1860, each cleared roughly an acre of trees every day to make charcoal, a key ingredient in the ironmaking process. Although coke-fired furnaces were the rule after that date, the destruction of the state's forests continued through the wasteful and destructive practices of Pennsylvania's logging industry. Pennsylvania led the nation in logging in 1870, and was still fourth in the nation in 1900. The "cut out and get out" philosophy of most loggers led to erosion, flooding and wild fires, and greatly limited the forest's ability to regenerate itself. The forest academy was a reaction to the fact that loggers turned millions of acres across the state into unproductive wastelands by the end of the 19th century.

In the early 1900s, the state's goal was to crusade for a change. George Wirt, the academy's first administrator, patterned the curriculum after curricula in Germany, a leader in reforestation.

On Arbor Day 1905, Wirt sent students searching for native tree species not found on campus. They returned more than 400 specimens (30 species) to the campus that day, and so began the arboretum at Mont Alto. This arboretum continues to provide a training ground for students, as well as a research site for the development of new hybrids.

The primary building on the campus, Wiestling Hall, was built in 1807 as an iron master's house and has since served as the dining hall, classroom and dormitory. Legend has it that Wiestling Hall is haunted by the ghost of Col. Wiestling, the first ironmaster who lived there. The oldest building in the Penn State system outside of University Park, Wiestling Hall currently houses administrative offices.

In 1909, the forestry students began work on a new task — building their new dormitory. Conklin Hall was finished in 1911. The building is now home to the Student Center, Student Affairs offices and the archives.

Twenty years later, the profession of forestry had developed to the point where baccalaureate studies were the norm, and Mont Alto did not have a baccalaureate curriculum. The Pennsylvania State College had offered a baccalaureate curriculum in forestry since 1907, and the two were merged to form the Penn State Mont Alto campus.

Students were adamantly opposed to the merger, and they protested by hanging



Early students in the Pennsylvania State Forest Academy were required to bring a horse with them to the campus to help fight forest fires. Wiestling Hall is featured in the background of the photo.

Mont Alto at a glance

- David Gnage, CEO
- 91-acre campus at the edge of Michaux State Forest in Franklin County
- Student enrollment of about 1,123
- 62 full-time and approximately 23 part-time faculty members
- Student/faculty ratio of 17 to 1
- First two years of about 160 Penn State majors
- Complete four bachelor's and eight associate degrees
- Professional development programs
- Nine varsity sports
- More than 20 student clubs and organizations

two state officials in effigy. Going further, many of the students in 1929 transferred to North Carolina State University to complete their education. Mont Alto had graduated 243 students by the time of the merger.

From that point on, the campus was used as the first year of training for Penn State forestry students. They completed the remaining three years of study at University Park.

By 1963, Penn State Mont Alto had become a Commonwealth Campus, offering the first one or two years of most Penn State majors. This was the first time that the campus was considered to be "coeducational."

The increased number of students required the campus to grow again. In



Conklin Hall was built by students in the Pennsylvania State Forest Academy as a residence hall. Today, it houses admissions and student affairs offices, as well as a student game room and the campus archives.

1968, the campus built a dining hall, followed by three dormitories. The next decade brought the library and the Science and Technology building. In the 1990s, the campus rounded out its physical plant with a Multipurpose Activities Center and a bookstore. Then in 1997, Mont Alto joined the Commonwealth College, and began to offer baccalaureate degrees.

Today, Mont Alto offers four baccalaureate degrees and eight associate degrees, and serves nearly 1,300 students annually. The campus also serves approximately 2,500 annually through its Continuing Education unit, with courses on campus, at the Chambersburg Mall and at other sites.

One of the special features of the campus is the Emmanuel Chapel, where history has it that John Brown spent time before his raid on Harper's Ferry in 1859. Penn State Mont Alto bought the chapel in 1992 for \$1 and reopened it in 1999.

The rich history in forestry and conservation still is very much a part of Penn State Mont Alto. The campus will continue to celebrate its heritage and history as the 100th anniversary of the Pennsylvania State Forest Academy approaches in 2003.

Holly Cieri can be reached at hry102@psu.edu.

WPSX

Continued from page 1

ments have provided more than \$3.3 million in funding, and the University has allotted \$16.4 million, including \$15.5 million for construction of a new building to house WPSX-TV, WPSU radio and the World Campus.

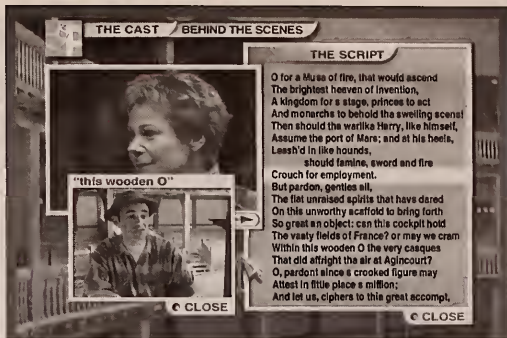
As WPSX-TV makes the transition to digital television, University faculty will have unprecedented opportunities for sharing their expertise via this new medium.

"Very few public television stations enjoy the support of a university and its faculty," said James H. Ryan, vice president for Outreach and Cooperative Extension. "This exciting convergence of broadcast capability and University expertise could be one of the most dramatic developments in higher education in the next decade."

Ryan noted, "Because of the unique partnership between Penn State and public broadcasting, we have a large pool of faculty expertise from which to create television content that is meaningful and important. With digital conversion, the increased demand for high-quality content will create a market for productions based on faculty research both across the state and nationwide."

According to Ted Krichels, assistant vice president for Outreach and general manager of Penn State Public Broadcasting, the transition to digital television is not just a challenge, but a new opportunity to fulfill the University's mission. Digital television will allow the University and its partners to deliver more comprehensive content designed for specific audiences on up to four channels at once.

After conversion, WPSX-TV plans to use the digital spectrum to offer additional



This is a representation of what enhanced digital TV can offer. TV viewers will receive, simultaneously and in the background, additional information that will enhance the richness and depth of the program. For example, viewers can watch a play and also see an interview with the director, a diagram of the set or a text version of the script.

Photo: Courtesy of WPSX

channels, focusing on children's programming, continuing education and lifelong learning, local interest programming and Penn State sports, in addition to the national PBS programs that are the hallmark of the current channel.

In late November, Krichels and Byron Knight, director of Broadcasting and Media Innovations at the University of Wisconsin-Extension, gave a presentation at the National Association of State Universities and Land-Grant Colleges (NASULGC) meeting on the potential of forging a partnership between public television and higher education. Currently NASULGC is exploring the possibility of developing a national vision to move this agenda forward.

Drawing on the University's academic and outreach resources to create programs and partnerships, Penn State Public Broadcasting will have an even greater impact on communities, schools, businesses, citizens and the more than 500,000 households served in the WPSX-TV viewing area, Krichels said.

Current initiatives such as the multi-year Creating Health program already built on the expertise of University faculty in several colleges and departments. Creating Health aims both to deliver health and wellness information to Central Pennsylvanians and to develop a health education model and tools that can be replicated nationwide. The program provides healthy lifestyle information in a variety of ways, including television programs, a Web site, print materials and County Extension-led community workshops and health screenings. In addition to Penn State Public Broadcasting and Cooperative Extension, Penn State Creating Health partners include the College of Health and Human Development, the College of Medicine at Hershey Medical Center, the College of Agricultural Sciences and the Outreach Office of Marketing Research.

While current programs use the Internet to provide interactive services, digital WPSX-TV will be able to transmit such data along with pictures and sound. Viewers will be able to use Web sites and other program-related information while they watch the programs. WPSX-TV also will have the capacity to transmit several television and computer signals simultaneously. Such capabilities will dramatically improve educational and informational opportunities, and they will require new collaborations and contributions from University experts and content providers.

Celena Kusch can be reached at
ckx33@psu.edu.

Photo: Greg Gifford

Senate

Continued from page 1

student headcount of 2,714. Currently, more than 150 faculty enable the World Campus to offer 188 courses and 22 certificate and degree programs.

The report showed how the World Campus is reaching new students from beyond the traditional campus environment. More than 80 percent of this student body is 24 years old and older. Unlike the majority of students who attend traditional Penn State campuses, 63 percent of World Campus students are not from Pennsylvania. Students come from all 50 states and 49 countries around the world.

Spanier offered his customary remarks at the onset of the meeting. He discussed the University's financial status in the wake of a \$10 million budget freeze.

"The state of the University is excellent," Spanier said. "The deans have worked hard internally in their budget allocations."

He added that his financial concerns rest in the upcoming appropriations hearing at the end of the month.

"We probably won't get all that we asked for," Spanier said. "Our goal is to maintain the quality of operations within the University while keeping tuition as low as possible. We will continue to efforts to make sure no student is denied a quality Penn State education."

The Faculty Senate next meets Feb. 26.

OBITUARIES

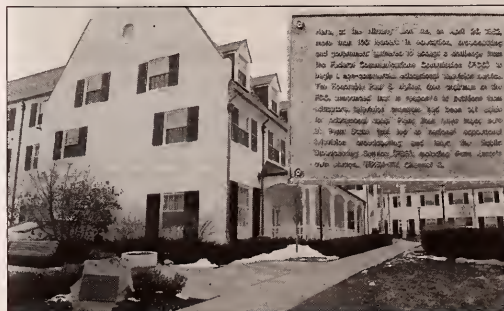
John Paul Mullis, 56, associate professor of psychology at Penn State Beaver, died Jan. 13, Mullis, a faculty member at Penn State Beaver since 1994, was nationally recognized for his research on human preadolescent behavior for natural disasters.

In 2001 Mullis received the Commonwealth College's first-ever Outstanding Research Award. He also was the recipient of the Beaver Advisory Board Excellence in Research Award, the Outstanding Academic Adviser Award and the Office of Student Affairs Outstanding Achievement Award. In 1998 he received the Vice President's Award for Outstanding Program for his project, "Integrating Cultural Diversity in the Classroom."

Mullis published extensively in many scholarly and research periodicals, and presented numerous papers and seminars. He was a member of numerous professional organizations.

Pauline M. Wilson, secretary in Student Affairs, from Nov. 14, 1977, until her retirement April 1, 1989; died Nov. 15, at the age of 77.

Louis Winkler, assistant professor of astronomy and astrophysics in the Eberly College of Science, from Sept. 16, 1964, until his retirement Jan. 1, 2000; died Nov. 23. He was 68.



At The Nittany Lion Inn on April 20, 1952, Paul S. Walker, then chairman of the FCC, announced that television channels had been set aside for educational uses. Plans then were made at Penn State that led to national educational television broadcasting and later the Public Broadcasting Service (PBS), including Penn State's WPSX-TV.



Lectures

Tax partner to discuss women's initiatives

V. Sue Molina, tax partner and national director for the retention and advancement of women with Deloitte & Touche, will give a talk at 5 p.m. Thursday, Feb. 14, at Heritage Hall in the HUB-Robeson Center on the University Park campus.

Her topic is "The Vision for Women in 2005," an overview of the latest initiatives at Deloitte & Touche. Molina's presentation is the first in the Arlene Shapiro Kaplan Lectureship Series from The Smear College of Business Administration.

Researcher to talk about human genome project

Bruce R. Korf, associate professor of neurology at Harvard Medical School, will present the fifth annual Stanley P. Mayers Endowed Lecture at 7:30 p.m. Wednesday, Feb. 13, at The Penn State Conference Center Hotel on the University Park campus.

Korf will discuss "The Human Genome

Project: Implications for Medical Practice and Health Policy." A reception immediately follows the lecture.

Although the lecture is free to the public, advance registration is required. For information, call Barbara Fleischer at (814) 863-2900 or baf14@psu.edu.

Speaker to focus on cellular response to agents

Leona Samson, Ellison American Cancer Society research professor, director of the Center for Environmental Health Sciences, and professor of toxicology, bioengineering and environmental health at the Massachusetts Institute of Technology, will speak on "Complex Cellular Responses to Alkylating Agents" in the Life Sciences Consortium's Colloquium Feb. 12. The colloquium, which begins at 4 p.m., will be videoconferenced from Lecture Room D at Hershey Medical Center to 108 Wartik Lab, University Park.

Samson's area of expertise is alkylating agents. They represent an abundant class

of chemical DNA damaging agent in our environment and they are toxic, mutagenic, teratogenic and carcinogenic. Since we are continuously exposed to alkylating agents, and since certain alkylating agents are used for cancer chemotherapy, it is important to understand exactly how cells respond when exposed to these agents. The repair of DNA alkylation damage provides tremendous protection against the toxic effects of these agents and her aim is to understand the biology, biochemistry and genetics of numerous DNA repair pathways that act upon DNA alkylation damage.

Literary archaeology topic for Feb. 11 luncheon

The Comparative Literature Luncheon, a weekly informal luncheon gathering of students, faculty and other members of the University community, has announced the next speaker in this semester's series.

The events begin with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy some-

thing in Kern Cafeteria. Coffee and tea are provided. The speaker will begin at about 12:40 p.m. The events are free to the public.

Vera Mark, assistant professor of French and linguistics, will discuss "What's in a Date? Literary Archaeology and Popular Memory" on Feb. 11.

For information, e-mail Daniel Walden at dww8@psu.edu.

Author to discuss power of drama on inmates

Jean Trounstein, author of *Shakespeare Behind Bars: The Power of Drama in a Women's Prison*, will speak at 12:15 p.m. Tuesday, Feb. 12, at Penn State Lehigh Valley and at 6 p.m. Tuesday, Feb. 12, at the student center at Penn State Berks.

Trounstein is professor of humanities at Middlesex Community College in Lowell,

Mass., specializing in writing, literature and theatre courses. She will discuss her experience working with women in prison on dramatic productions.

The event is free to the public. For information, call the Lehigh Valley campus at (610) 285-5000 or the Berks campus at (610) 396-6000.

Peggy Seeger looks at feminist issue in songs

Singer/songwriter Peggy Seeger will present a lecture/workshop titled "A Feminist View of the Issue of Women in Anglo-American Traditional Songs" from 1:30 to 3 p.m. Saturday, Feb. 9, in 128 Music Build-

ing II on the University Park campus.

The event is free to the public. It is co-sponsored by the Women's Studies Program and the Acoustic Brew Coffeehouse Spring 2002 Concert Series.

Women's Studies Program fills events calendar

The Women's Studies Program has announced the following March and April events on the University Park campus:

■ **Friday, March 15:** Pamela Scully, assistant professor of history at Denison University, will discuss "Freed Men in the Archives: The Politics of Masculinity in 19th-Century South Africa" at 4 p.m. in 102 Weaver Building. The presentation is part of the Gender History Workshop. The event is free to the public.

■ **Friday, March 22 through Sunday, March 24:** The Feminist Majority Leadership Alliance and Womyn's Concerns will hold a Conference on Women's Health and Wellness. The time and place will be announced at a later date.

■ **Monday, April 8:** Michelle Fine, professor in the Social/Personality Psychology Program at the Graduate Center at the City University of New York, will discuss "Dis-

appearing Acts: Whither Goes to State and the Implications for Women In and Out of Prison" at 3 p.m. in 102 Kern Building. Her presentation is part of the Feminist Scholars Series. The event is free to the public.

■ **Thursday, April 11:** The Women's Studies Spring Undergraduate Forum will be held from noon to 3 p.m. in Alumni Hall in the HUB-Robeson Center.

■ **Thursday, April 11:** Mary Jo Romeo, Distinguished Alumna Speaker, will give a presentation from 6 to 8 p.m. in the Pollock Gold Room. Romeo, a member of the class of 1981, is publisher of *Parents Magazine*.

■ **Tuesday, April 16:** The Women's Studies Program will hold its first Senior Research Conference from 1 to 5 p.m. in 102 Weaver Building.

For information on these activities, call (814) 863-4025 or check the Web at <http://womenstudies.la.psu.edu/>.

Supply Chain Management Colloquium planned

The University Park campus will be the site for the Collaborative Supply Chain Management Research Colloquium, scheduled to take place March 15-16 at The Nittany Lion Inn.

The event is co-sponsored by the Center for Supply Chain Research in The Smear College of Business Administration and the Logistics Institute at Georgia Tech.

Dawn Russell, assistant professor of logistics, and C. John Langley Jr. of the Georgia

Institute of Technology are serving as program directors. The program speakers include Joseph Andraski, senior vice president for OMI International Inc., and adjunct professor at Penn State; Alan Stenger, professor of business logistics; Douglas Thomas, assistant professor of business logistics and operations management; and Donald Warsing, assistant professor of business logistics.

For information, call Russell at (814) 863-2054 or e-mail dmr28@psu.edu.

Lunchtime series focuses on academic integrity

An informal discussion on how to successfully model academic integrity will be held at noon Wednesday, Feb. 13, in the Faculty/Staff Club suite in the lower level of The Nittany Lion Inn on the University Park campus.

The lunch discussion, part of a monthly

series sponsored by the Teaching and Learning Consortium and the Faculty/Staff Club, is open to all faculty and staff.

For information, call Tammy Homan at (814) 865-8563 or e-mail tclub@psu.edu. To assist with seating, contact Homan by 9 a.m. Feb. 13.

Development, affirmative action discussed

The African and African-American Studies Department has announced the following lectures for March and April:

David McBride, professor of African and African-American Studies and African-American history, will discuss "Environmental Pollution and Cognitive Development in Black Children in the Americas and Africa" from 4 to 5:30 p.m. Wednesday, March 20, in 216 Willard Building on the

University Park campus.

Major Coleman, assistant professor of African and African-American studies and political science, will discuss "Who's Qualified and Who's Not: Job Experience and the Impact of Affirmative Action" from 3 to 4:30 p.m. Wednesday, April 24, in 216 Willard Building.

The events are free to the public. For information, call (814) 863-4243.

Frogs, salamanders part of upcoming talk

Live frogs and salamanders from Central Pennsylvania will be featured at a free public lecture from 11 a.m. to 12:30 p.m. Feb. 9 in 100 Thomas Building on the University Park campus.

The lecture, titled "Frogs, Toads and Other Amphibians as Indicators of Global

Change: Translating Global Change into Local Species Loss," by Joseph Kiesecker, assistant professor of biology at Penn State, is the fourth in the series titled "Planet Earth: Our Role in Its Health," the topic of the 2002 Penn State Lectures on the Frontiers of Science.



News in Brief

Nominations sought

Nominations are being accepted for five awards that are given annually to recognize individuals and programs for their outstanding contributions to rural health care in Pennsylvania.

The awards will be presented in conjunction with the 10th annual Pennsylvania Rural Health Conference on June 11 and 12 at The Penn State Conference Center Hotel on the University Park campus.

The conference planning committee is accepting nominations for State Rural Health Leader of the Year, Community Rural Health Leader of the Year, Rural Health Program of the Year, Legislator of the Year and Rural Health Hero of the Year.

Nomination criteria and application forms are available on the Web at <http://perh.cas.psu.edu>. Completed applications can be faxed to Ann Cherry at (814) 865-4888 or mailed to her attention at the Pennsylvania Office of Rural Health, 202 Beecher-Dock House, University Park, PA 16802.

Submission deadline is Friday, March 22.

Call for submissions

The Ninth Annual Green Design Competition and Conference will be held April 6 and 7 at the Kunkle Activities Center on the University Park campus.

Submissions are being sought for the conference's design competition highlighting innovation and sustainability in an exhibition of architecture, engineered house systems, landscape/garden design, community design and ecological innovations. A series of workshops on green architecture will be held both days with James Wines giving the keynote speech, "Visionary Green Architecture," at 1 p.m. April 7.

The conference is in the spirit of a "science fair," encouraging hands-on and interactive displays in all of the entries. Details on judging criteria can be found at <http://www.psu.edu/dept/cs>.

As part of "Green Design Month," a brown bag lunch speaker series will be held during March in the Alternatives Library, 118 Willard Building, University Park.

These events are free to the public.

For information, call Jackie Bonomo at (814) 237-5569 or Barbara Anderson at (814) 865-2223, e-mail greenesign@psu.edu or check the Web at <http://www.psu.edu/dept/cs>.

Mac OSX training

Computer and Information Systems is bringing certified Mac OSX Administrator Basics and Server Essentials training to University Park. The courses are taught by Apple professionals with real-world experience and dynamic presentation skills.

Each course lasts 2.5 days and will be presented March 4 through 8 in 117 Wagner Building.

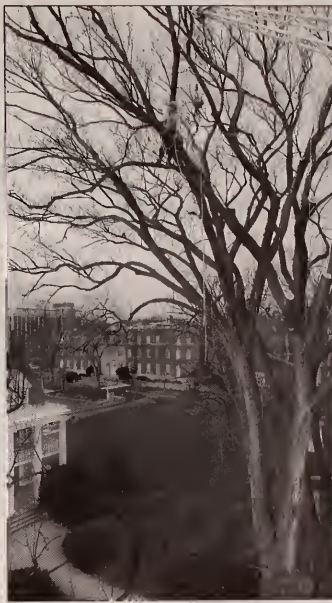
For enrollment information, check the Web at http://cac.psu.edu/training/het/os_x.html

Volunteers sought

The Food Lab in Henderson Building is looking for people ages 20 to 45 to participate in a study of food-related behavior.

The study involves eating breakfast, lunch and dinner in the lab two days a week for three weeks. Meal times are flexible. Volunteers will be paid for their participation.

For information, call Jennifer or Denise at (814) 863-8482.



Crews from the Office of Physical Plant removed a large elm near the Hintz Alumni Center on the University Park campus after they discovered structural defects that posed a safety hazard. The replacement will likely be a new, genetically modified, disease-resistant elm. OPP reports that the University is no longer losing more trees than it plants due to special funding from the Office of the President.

Photo: Greg Grieco

Riders sought

A vanpool looking for riders from Philipsburg area to University Park.

Work hours are 7:30 a.m. to 4:30 p.m. Monday through Friday. Call Stacie at (814) 865-6323 or e-mail SHugney@psu.edu.

Server name changed

The University server system known as COLD (Computer Output to Laser Disk) has had its name changed to eDocument Distribution System.

This name better describes what this tool provides for the University business community, a system to provide documents electronically. The name became effective this week.

Seven named to receive Distinguished Alumni awards

The Board of Trustees has selected seven Penn State alumni to receive the Distinguished Alumni Award, the University's highest award for an individual.

Following are the 2002 Distinguished Alumni, year or years of graduation and current title:

■ Bruce Claffin, a 1973 bachelor's degree graduate in political science from the College of the Liberal Arts. He is president and chief executive officer of 3Com Corp.

■ Monica Morrow, a 1974 bachelor's degree graduate in pre-medicine from the Eberly College of Science. She is professor of surgery at Northwestern University Medical School and director of the Lynn Sage Comprehensive Breast Program at Northwestern Memorial Hospital.

■ Stuart Patton, a 1943 bachelor's degree graduate in dairy science from the College of Agricultural Sciences. He is an Evan Pugh research professor emeritus of agriculture at Penn State.

■ Douglas L. Rock, a 1968 bachelor's degree graduate in psychology from the College of the Liberal Arts. He is president, CEO and chairman of Smith International Inc.

■ Richard K. Struthers, a 1977 bachelor's degree graduate in management from The Smeal College of Business Administration. He is senior vice chairman of MBNA America Bank.

■ Mason Walsh Jr., a 1957 bachelor's degree graduate in chemical engineering from the College of Engineering. He is executive vice president and general counsel of Richard K. Mellon and Sons.

■ Boyd E. Wolff, a 1953 bachelor's degree graduate in dairy science from the College of Agricultural Sciences. He is retired owner and operator of Wolden Farms and formerly served as the Pennsylvania Secretary of Agriculture.

COURSES

Health Matters

David Yukelson, coordinator of sport psychology services, will speak on "Be A Positive Role Model For Your Children in Youth Sports" at noon Tuesday, Feb. 12, in 106 HUB-Roberson Center on the University Park campus.

The event is free to the public.

Beth Van Horn, certified family living educator, will discuss "The Challenges of Feeding Children" at noon Thursday, Feb. 14, in 118 Agricultural Sciences and Industries Building on the University Park campus.

The cost is \$5.

To enroll in either program, call (814) 865-3085 or register online at <http://www.okr.psu.edu/health/home.htm>.

NEW AT PENN STATE

Executive MBA to be launched in Philadelphia

The Smeal College of Business Administration will launch an Executive MBA program, to be delivered in Philadelphia over alternating weekends, this fall.

Executives can earn their master of business administration degree in 22 months. Classes primarily will be held on alternating weekends at the Gregg Conference Center in Bryn Mawr. The program is aimed at executives who are unable to commit to a fulltime residential program because of career and personal commitments. For information, call at ExecMBA@psu.edu. (814) 865-3435 or contact the program via e-mail at ExecMBA@psu.edu. More information is online at <http://www.smeal.psu.edu/execmba>.



Arts & Entertainment

Trumpet recital

John Daniel, associate professor of music, will present a trumpet recital at 8 p.m. Tuesday, Feb. 12, in Esber Recital Hall on the University Park campus.

Chris Jaudes, who recently finished performing as principal trumpet for the Broadway musicals "Annie Get Your Gun" and "Ragtime," will join Daniel. The second half of the recital will feature music performed by the group Batu-Clave. Admission is free to the public.

Centre Dimensions concert

Penn State jazz ensemble Centre Dimensions will give a concert at 8 p.m. Wednesday, Feb. 13, in Esber Recital Hall on the University Park campus.

The group will premier a new work, "9/11/01 (Feeling, Dealing, Healing)," by Dan Yoder, Centre Dimensions' director.

Tickets cost \$4 for adults and \$3 for students.

Bach's Lunch

The Penn State Bassoon Ensemble will perform at 12:10 p.m. Thursday, Feb. 14, in Eisenhower Chapel on the University Park campus.

The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Campus Ministry. Following the performance, audience members may take their bag lunches to Memorial Lodge of Eisenhower Chapel. Beverage is provided. The event is free to the public.

Poet's belongings displayed

"A Jamaican Voice: The Life and Poetry of Vivian Virtue" is on display through March 15 in the Special Collections Library, 104 Paterno Library, University Park.

The exhibit, in commemoration of Black History Month, is selected from the poet's papers, including manuscripts, correspondence, publications, translations, broadcast scripts and photographs. Virtue was a Jamaican poet, translator and broadcaster.

100 Years of 4-H

An exhibit to commemorate the centennial of the 4-H agricultural education program, "The Power of Youth: 100 Years of 4-H," is on display through April 5 in the Special Collections Library, 104 Paterno Library on the University Park campus.

The exhibition features photographs, brochures, programs, journal guides, membership information and bands on instruction manuals covering the 100 years of the 4-H program in Pennsylvania.

For information, call Jackie Esposito at (814) 865-7931.



Traditional dance was demonstrated by the Taiwanese Student Association at last year's International Festival. For a list of this year's events, see the story to the right.

Dave Matthews Band returns to University Park

The Dave Matthews Band will perform at 7 p.m. Friday, April 5, at The Bryce Jordan Center on the University Park campus. Reserved tickets are \$45.50 and will go on sale at 10 a.m. Saturday, Feb. 9. Wristbands will be made available from 8 a.m. to 6 p.m. Friday, Feb. 8, and from 8 to 9 a.m. Saturday, Feb. 9. Wristbands are for ticket buyers wishing to purchase tickets at the Bryce Jordan Ticket Center only.

The group has made two previous stops at The Bryce Jordan Center: Oct. 7, 1996, and Dec. 8, 2000. With the releases of "Under the Table and Dreaming" (1994), "Crush" (1996), "Before These Crowded Streets" (1998), and "Everyday" (2001),

BRYCE JORDAN CENTER

the Dave Matthews Band has become one of the top grossing touring bands in the United States. The band has plotted a 33-date North American tour, which will kick off on April 4 in Washington, D.C., and then travel to The Bryce Jordan Center on April 5.

Tickets will be available at The Bryce Jordan Ticket Center, Eisenhower Auditorium, select Uni-Marts, Commonwealth Campus ticket outlets, by phone at (814) 865-5555 or (800) 863-3336, or online at <http://www.bjc.psu.edu/>

Oral history archived

An oral history collection, "A Few Good Women ... Advancing the Cause of Women in Government, 1969-74," was recently archived in University Libraries' Special Collections Library, 104 Paterno Library on the University Park campus.

An overview of the project, including profiles, is available at <http://www.afgw.libraries.psu.edu>. The collection focuses on the groundwork that prepared the way for many of the advances in the status of women in government during the Nixon administration.

For information, call (814) 865-7931.

International Fest plans events to celebrate diversity

The 28th annual International Festival featuring multicultural foods, music and entertainment will be held from Feb. 8 to 17 on the University Park campus.

The event is co-sponsored by the International Students and Scholars unit of the University Office of International Programs, the International Student Council, the International Hospital Council and others.

The schedule follows:

■ **Friday, Feb. 8:** Chinese New Year celebration, 3 p.m. to midnight, Heritage Hall at the HUB-Robeson Center. Tickets cost \$3 for adults with student I.D. and \$4 for nonstudents. Free admission for children under 12. Tickets are available at 221 HUB and the HUB-Robeson Center ground floor organization desks during lunchtime, and at the HUB-Robeson Center front desk. For information, call He Huang at (814) 863-3431 or e-mail hxl189@psu.edu.

■ **Saturday, Feb. 9:** International Coffeehouse, 7 to 9 p.m. in Heritage Hall. Admission is free.

■ **Sunday, Feb. 10:** Muslim World Fair, noon to 5 p.m. Heritage Hall. For information, e-mail Ayisha Zaki at axz136@psu.edu.

■ **Sunday, Feb. 10:** Lunar New Year Festival 2002, 5:30 to 9:30 p.m. in the Alumni Hall of the HUB-Robeson Center. Tickets are \$8 for students, \$10 for non-students and \$5 for children under 12. Tickets will be sold from 8 a.m. to 5 p.m. Feb. 8 in the HUB-Robeson Center ground floor. For information, e-mail Abel Chuang at pac171@psu.edu.

■ **Monday, Feb. 11:** "Winning Hearts and Minds 25 Years Later: A Presentation on Vietnam," by James F. Lynch Jr. and John M. Keller, noon, 222 Boucke Building.

■ **Thursday, Feb. 14:** Film, "Himalaya," 7:30 p.m., 101 Thomas Building. Admission is free.

■ **Friday, Feb. 15:** "Global Nutrition Education," by Claudia Probart, associate professor of nutrition, 11:30 a.m., 108 Wartik.

■ **Saturday, Feb. 16:** Thai Night, 6 to 8:30 p.m., Heritage Hall. Tickets are available Feb. 11 to 15 in the ground floor of the HUB-Robeson Center. For information, e-mail Decha Sermitwittayawong at sermitwitt@psu.edu.

■ **Sunday, Feb. 17:** International Children's Fair, 12:30 to 4 p.m., in 126 White Building. Admission is free.

For information about the festival, call Linda Keefe at (814) 865-6348.



University Park Calendar

February 8 - February 17

SPECIAL EVENTS

Sunday, February 10

"Reading Rainbow," 2 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Thursday, February 14

"Sones de la calle: Latina/o Popular Culture and Politics," Spanish/English poetry and performances, 7 p.m., Zoller Gallery.

MUSIC

Saturday, February 9

"Celebration of Love," 7:30 p.m., Old Main Lobby. For tickets, call (814) 863-0431.

Tuesday, February 12

Faculty recital, John Daniel, trumpet, 8 p.m., Recital Hall, Music I. "Weezer," 7:30 p.m., The Bryce Jordan Center. For tickets, call (814) 865-5555.

Wednesday, February 13

"Centre Dimensions," Dan Yoder, director, 8 p.m., Recital Hall, Music I. For tickets, call (814) 865-0431.

Thursday, February 14

The Penn State Bassoon Ensemble, Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Percussion studio recital, Dan Armstrong, director, 8 p.m., Recital Hall, Music I.

Friday, February 15

"Anything Goes," 8 p.m., The Playhouse Theatre, through Feb. 23. For tickets, call (814) 863-0255.

Saturday, February 16

Faculty recital, Timothy Delight, viola, 8 p.m., Recital Hall, Music I. "Earth/Rhythms," percussion group, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Sunday, February 17

Chamber orchestra, Gerardo Eldestein, conductor, 5 p.m., Recital Hall, Music I.

SEMINARS

Friday, February 8

James Webb on "Reflections on Asia, U.S. National Security and The Literary Life," 11:30 a.m. to 1 p.m., The Nittany Lion Inn. For tickets, call (814) 865-7590.

G. Minic on "De Sitter Space and String Theory," 2:30 p.m., 339 Davey Laboratory.

Brett Goodpastor on "Skeletal Muscle Fat Infiltration: Implications for Aging, Type 2 Diabetes and Exercise," 3 to 4 p.m., 127 Noll Physiological Research Center.

Theodore Krichels on "New Opportunities in Public Broadcasting," 4 p.m., 301 Steidle.

Judith Jones on "Conditions of Value in James' The Varieties of Religious Experience," 4 p.m., 7 Sparks.

Saturday, February 9

Joseph Kiesecker on "Frogs, Toads and Other Amphibians as Indicators of Global Change: Translating Global Change into Local Species Loss," 11 a.m. to 12:30 p.m., 101 Thomas.

Peggy Seeger on "A Feminist View of the Image of Women in Anglo-American Traditional Songs," 1:30 p.m., 128 Music II.

Monday, February 11

Brian Gilmartin on "Unique Structural and Chemical Characteristics of H-bond Coordination Chemistry," 11:15 a.m., SS Osmond Laboratory.

Vera Mark on "What's in a Date? Literary Archaeology and Popular Memory," 12:40 p.m., 102 Kern.

Ben Owen on a subject to be announced, 3 p.m., 318 Osmond Laboratory.

Tuesday, February 12

Jennifer Terry on "Remote Intimacy," 3 p.m., 129A HUB Robeson Center.

Terry Michalske on "Integrated Nanotechnologies — Putting Small Things to Work," 4:20 p.m., 22 Deike.

Wei Pan on "Experiments on Composite Fermions and their Pairing," 3:30 p.m., 339 Davey Laboratory.

Leona Samson on "Complex Cellular Responses to Alkylating Agents," videoconference, 4 p.m., 108 Wartik Laboratory.



"A Few Good Women..." Advancing the Cause of Women in Government, 1969-74" is part of the oral history collection recently archived in the University Libraries' Special Collections Library, 104 Paterno Library on the University Park campus. Pictured from left to right (first row): Ethel Bent Walsh, Brig. Gen. Jeanne M. Holm, Rose Mary Woods, Virginia Knauer, Helen Delich Bentley, Jayne Baker Spain, Evelyn Eppley and Barbara H. Franklin; (second row): Sallyanne Payton, Elizabeth Hanford, Georgiana Sheldon, Virginia Allan, Carol Khosrovi, Paula Tennant, Breton Sturtevant and Gloria Toote. For more information on this collection, see the story on page 6.

David Rosner on "Deceit and Denial: The Deadly Politics of Industrial Pollution," 4 p.m., 102 Weaver.

Wednesday, February 13

Kathleen Fisher on "Mental Health Disorders for Rural Elders in Public Housing," videoconference, noon to 1 p.m., 108 Wartik Laboratory.

An informal discussion on how to successfully model academic integrity, noon, Faculty/Staff Club suite, The Nittany Lion Inn. For reservations, call (814) 865-8563.

Joyce Robinson on "Ancestral Legacies: Art and the Black Power Movement," 3 p.m., Lipson Auditorium, Palmer Museum of Art. Bruce R. Korf on "The Human Genome Project: Implications for Medical Practice and Health Policy," 7:30 p.m., The Penn State.

Thursday, February 14

Sumathi Rao on "Quantum Wires," 4 p.m., 117 Osmond Laboratory.

Mariano Cabli on "Discurso poético y éticas del apartamento: Alberto Giron y Juan L. Ortiz," 4 p.m., 14-15 Burrows.

V. Sue Molina on "The Vision for Women in 2005," 5 p.m., Heritage Hall, HUB Robeson Center.

Friday, February 15

Stefan Hollands on "Local, Covariant Interacting Quantum Fields in Curved Spacetime," 11 a.m., 318 Osmond Laboratory.

"Migration, Neo-liberalism and Latin American," panel discussion, noon, 14-15 Burrows.

Shiraz Minwalla on "Closed String Tachyon Condensation on Twisted Circles," 2:30 p.m., 339 Davey Laboratory.

Juan Flores on "Nueva York, Diaspora City: Latinos Between and Beyond," 3 p.m., Foster Auditorium, Pattee Library.

Steve Lindberg on "Life Outside the Ivory Tower: Scientists in the Pharmaceutical Industry," 3 to 4 p.m., 127 Noll Physiological Research Center.

David Jansson on "Internal Dentrainment and the Spatial Construc-

tion of American National Identity," 4 p.m., 301 Steidle.

Saturday, February 16

Timothy Condrine on "Green Economics: An Diplomatic Approach to Human Interactions with the Environment," 11 a.m. to 12:30 p.m., 101 Thomas.

EXHIBITS

HUB Robeson Center

Paintings by Lori Mitchell, through March 1. Oil paintings and decorated wood boxes by Cheryl Agulnick, through Feb. 20.

Palmer Museum of Art

"Sam Gilliam: Recent Prints," through May 26.

Digital work by John Paul Caponigro, through June 2.

Pattee and Paterno Library exhibit areas

"Celebrating Martin Luther King Jr. and Black History Month," exhibit featuring 18 posters, through March 4.

"When Two or More are Gathered Together: Groups and Composite Images from the B. and H. Henisch Photo-History Collection," through March 30.

"John Biggers," Charles L. Blockson, "Paul Robeson" and "Sketches from Todi: A Study Abroad Experience," through March 13.

Zoller gallery

Installation by Japanese artist Wantanabe Koichi, through Feb. 14.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Leaves of Absence 2002-03

Leaves of absence are granted for purposes of intensive study or research that will increase the quality of the individual's future contribution to the University. The following leaves have been approved for 2002-03:

Penn State Abington

Andrew C. August, associate professor of chemistry, to complete a book manuscript, *The British Working Class, 1840-1910*, an interpretive survey of the social history of British workers in this period.

Ayoub B. Ayoub, professor of mathematics, to complete a research project for a source book in mathematics and to complete a book manuscript, *Selected Topics for the Mathematics Teacher*.

Kenneth W. Johnson, professor of mathematics, to complete a book manuscript, *Arithmetic and Invariant Theoretic Aspects of Group Representation Theory*, co-authored with a Russian mathematician.

Martha Lee Kemper, associate professor of theatre and integrative arts, to develop further and present the performance and accompanying lecture/workshop on the work of Eudora Welty and to develop and publish a written guide that will accompany the performance and workshop.

Linda Patterson Miller, professor of English, to complete a book manuscript on Ernest Hemingway's *In Our Time*, which is to be published by Kent State University Press in 2004 as one of seven volumes in its *Reading Hemingway Series*.

David E. Roth, associate professor of history, to complete a draft of a book manuscript on the cultural history of capital punishment in modern America.

College of Agricultural Sciences

C. John Esslinger, extension agent, Lackawanna County, to complete a master of science degree in agriculture in the Department of Horticulture.

James L. Frazier, professor of entomology, to conduct collaborative research on new approaches for the study of chemosensory cell functioning in pest insects using *Drosophila* mutants and cell lines at the University of London.

E. Jay Hultsch, professor of horticulture, to develop collaboratively a new course offering for interior plant design and maintenance at Cornell University.

David R. Huff, associate professor of turgrass genetics, to conduct collaborative research in genetic analysis and histotechnology at La Trobe University in Melbourne and The University of Melbourne.

Jay R. Stauffer Jr., professor of ichthyology, to complete the revisions to a key fish genus and describe between 20 and 25 new species of fish from Lake Malawi in Africa.

C. Shannon Stokes, professor of rural sociology, to conduct collaborative research on the impact of HIV/AIDS on food security at the Food and Agricultural Organization in Rome.

Donald B. Thompson, professor of food science, to study how the relationship between food and health differs according to one's cultural perspective.

Penn State Altoona

Douglas K. Brown, associate professor of mathematics, to conduct collaborative research in the area of reverse mathematics, which is a subcategory of mathematical logic.

Mary C. De Jong, associate professor of English and women's studies, to complete a book manuscript that explores the roles of hymns, hymnbook making and hymn-singing in 19th century America.

Daniel Dileo, associate professor of political science, to study the political rhetoric of the agenda-setting speeches of Pennsylvania governors over the past 50 years, with a particular focus on the role of state government as a supporter of families and guardian of children.

Ian Marshall, professor of English, to undertake a project involving creative, critical and pedagogical dimensions of haiku poetry based on place.

Michael W. Wolfe, professor of history, to complete a book manuscript, *On the Urban Edge: Military Fortifications and City Life in Early Modern France*, that will examine the wide-ranging effects of the militarized periphery on the urban community found within the walls.

College of Arts and Architecture

Susan D. Boardman, associate professor of music, to undertake a project devoted to the location, study and analysis of art song settings of folk tunes by British composers Benjamin Britten and Ralph Vaughan Williams; to prepare and deliver a lecture-recital of these settings; and to write a major article on the subject at the British Library, The Royal Academy of Music, The Royal College of Music and the Britten-Pears Library.

Charles Dumas, associate professor of theatre, to write a textbook on African-American drama from the social perspective of the New York and vicinity theatre scene at the Shomberg Center for African-American Culture and the New York City Public Library; and to conduct research that explores the influence of the South African heritage in African-American literature, pending approval of a Fulbright award, at the University of Stellenbosch in South Africa.

Dennis R. Gloske, associate professor of music, to transcribe the first four movements of Mlada Suite by Rimsky-Korsakov for wind ensemble and to locate computer scores relating to music notation to finalize a legible score and parts for publication.

Jawad Haider, professor of architecture, to review existing curriculum, conduct a design study, and assist in the training of department faculty at the Indus Valley School of Art and Architecture in Karachi, Pakistan.

Neil P. Koroostoff, associate professor of landscape architecture, to conduct research on the health benefits of landscape architectural design in the health-care delivery system.

Gerard Lang, professor of art, to complete *The Constructed Image: Photographs Created with the Digital Camera and Computer*, a collection of new photographs exploring the discreet and often overlooked characteristics of a rural environment.

Cary L. Libbin, professor of theatre, to conduct research on the British musical theatre performance training; to form partnerships with American professional theatre producers; and to extend his professional directing experience in London.

Daria V. Linberg, associate professor of architecture, to conduct research on interdisciplinary methods to explore real-world opportunities in the arts and humanistic studies at the National Humanities Center in North Carolina and Stanford University.

A. Richard Nichols, professor of theatre, to compile and edit an anthology of contemporary Korean dramas in English translations, with an

introductory exegesis of contemporary Korean dramatic literature in Korea.

Jeanne Chenuat Porter, associate professor of art history, to write a book manuscript, *The Triumph of Baroque Painting in 17th Century Naples*.

Elizabeth F. Quackenbush, associate professor of art, to conduct research on regional and historical ceramics in England; to create a new body of ceramic art works for exhibit at Mariko Arts in Denver; and to write an article that conceptualizes her clay construction and glazing processes for *Studio Potter*, a publication that features the work of preeminent American ceramists.

Penn State Berks-Lehigh Valley

Candace Spigelman, associate professor of English, to develop a book manuscript, *Personally Speaking: Experience as Evidence in Academic Discourse*, which seeks to demonstrate the persuasive and legitimate power of personal writing and its suitability for academic arguments.

Smeal College of Business Administration

Anzham Balakrishnam, The Mary Jean and Frank P. Smeal chaired professor of management science and information systems, to conduct collaborative research on modeling-oriented research that supports managerial planning and decision-making for the design and operation of information technology-enabled product and service fulfillment systems at the University of Maryland.

Duncan K.H. Fong, professor of management science and statistics, to conduct collaborative research on inventory theory, statistical model selection, and Bayesian approaches to conjoint analysis at Duke University and Georgetown University.

Dennis A. Gioia, professor of organizational behavior, to conduct individual and collaborative research on several theoretical and empirical projects on organizational identity and image of reputation at Bocconi University and the University of Modena.

Susan H. Xu, professor of management science, to conduct collaborative research on dependence analysis of multivariate stochastic systems and their applications in diverse areas at the Chinese Academy of Sciences, Duke University, The Chinese University of Hong Kong and Washington State University.

Penn State Harrisburg

Ali Aswad, professor of engineering, to develop rational procedures for predicting the long-term camber (upward deflection) of long-span prestressed concrete beams at High Concrete Structures Inc., Denver, PA; Shuckly Products Inc., Gresson, PA; and The Shockey Precast Group, Winchester, VA.

Danielle D. Flannery, associate professor of education, to gather data and write chapters of the book, *Practitioners Speak: The Contributions of Adult Education to Professions and Work Settings*, which proposes to address the prevailing lack of information and understanding of the contributions of the field of adult education to the various professions and work contexts in which adult educators practice.

Margaret Rose Jaster, associate professor of humanities and literature, to write a historical and interpretive study, tentatively titled *Fashioning the Mind and Conditions: Clothes and*

Conduct in Early Modern England, of 16th-century English documents which attempt to regulate behavior through the use of clothing mandates at the Folger Shakespeare Library, Washington, D.C.

Patricia E. Johnson, associate professor of humanities and literature, to work on four articles, two of which address the issue of paid work for women in the late Victorian period and the ways in which it is treated in literature, and two on works by British working-class female writers, Pat Barker and Ethel Carnie.

Linda M. Nul, assistant professor of engineering, to conduct research and continue work on a coauthored textbook, *The Essentials of Computer Organization and Architecture*.

George P. Partridge Jr., associate professor of environmental engineering, to develop a human receptor respiratory exposure dose model for the air toxics associated with fine particulates.

Clifford H. Wagner, associate professor of mathematics and computer science, to develop a software package, tentatively titled "Sampler", for instructional use in statistics.

Colleen Willard-Holt, associate professor of education, to train classroom teachers in constructivist strategies and to implement an educational reform in an area elementary school.

Gayle I. Yaverbaum, professor of information systems, to continue with continuing to integrate technology into learning environments and to study its impact on that environment.

Commonwealth College

Asad Azemi, associate professor of engineering, Delaware County, to collaboratively conduct analytical/simulation work in the area of genomics at Fawcett University.

Eric D. Cohen, associate professor of sociology, Fayette, to conduct research and write a manuscript on rural poverty in general, and Fayette County in particular, titled *Under a Black Cloud: The Legacy of Deindustrialization on a Rural Southwestern Pennsylvania Community*.

Mary K.M. Gergen, professor of psychology and women's studies, Delaware County, to complete a manuscript that deals with issues of security from a social psychological perspective.

Anatoli F. Ivanov, professor of mathematics, Wilkes-Barre, to conduct collaborative research on several aspects of theoretical studies in functional differential equations as well as with some applications of the theory to natural sciences at the Institute of mathematics of the National Academy of Sciences in Kiev, La Trobe University, the University of Ballarat and the University of Vigo.

Ali Kora, associate professor of business administration, Kora, to undertake an empirical study on cross-cultural consumer evaluations of association ad comparative advertisements in different countries of Asia, the Middle East and Scandinavia.

William B. McCarthy, professor of English, DuBois, to document a rich, regional tradition of vernacular drama connected with the celebration of Easter in western Pennsylvania; and to carry out organization and preparation for an international conference on folk and vernacular drama, to be held in the spring of 2004.

Bagma Mukherjee, associate professor of mathematics, Worthington Scranton, to study the defect structure in liquid crystal flows in the low shear rate regimes at the University of Minnesota.



Leaves of Absence 2002-03

Continued from page 8

Marlene P. Souby, associate professor of German and comparative literature, Worthington Scranton, to work on a manuscript, *The Beauty and Sadness of Age*, a comparative study of the experience of time and aging in literary texts from various cultures and time periods.

Kenneth L. Wajsb, assistant professor of kinesiology, York, to conduct research for a book, *Ball Games for the World Anthology*, and to work on a Web-based course on international sport, games and culture at the University of Brighton.

College of Communications

Clay Calvert, associate professor of communications and law, to conduct pro bono research and serve as a writing attorney for the nonprofit Student Press Law Center in Arlington, VA.

Dickinson School of Law

Susan Beth Farmer, professor of law, to conduct research on international and comparative competition law and policy with a focus on multinational merger law, policy and enforcement at Harvard University.

Thomas M. Pless, professor of law, to write a book for lawyers and judges on the law of sentencing in Pennsylvania.

College of Earth and Mineral Sciences

Susan L. Brantley, professor of geosciences, to complete a book-length manuscript, *Kinetics of Rock Interaction*, and to conduct collaborative research on trace metal isotope geochemistry at the U.S. Geological Survey in Menlo Park and the University of Arizona.

Subhash Chandra, professor of mineral processing and geo-environmental engineering, to conduct collaborative research in the development of bioremediation technology and to modify and teach a short course on acid mine drainage formation and treatment technology at the Lulea University of Technology.

Kevin P. Furlong, professor of geosciences, to conduct collaborative research on improving understanding of natural disasters and to improve course presentations about these phenomena in the undergraduate curriculum at Victoria University of Wellington.

C. Gregory Knight, professor of geography, to conduct collaborative research on climate change impacts on water resources and to help build regional research networks at the Bulgarian Academy of Sciences; Sofia University; and the University of Architecture, Civil Engineering and Geodesy in Sofia.

Samuel C. Moberg, associate professor of materials science and engineering, to conduct collaborative research on the fabrication of antimonide-based compound semiconductors at the Department of the Navy and Lehigh University.

Carlo G. Pantano, distinguished professor of materials science and engineering, to conduct research in areas that are directly related to his expertise in glasses and glass surfaces at Imperial College and the University of Central Florida.

College of Education

William T. Hartman, professor of education, to examine the policies and practices of resource

allocation used in school-based management in Australia and England, two countries that have emphasized a decentralized educational structure through state and national policy, at Cambridge University and the University of Melbourne.

James T. Herbert, professor of education and professor-in-charge of rehabilitation programs, to conduct a nationwide study in clinical supervision of rehabilitation counselors within the public nonprofit and proprietary sectors.

David B. McNaughton, associate professor of education, to conduct collaborative research on the role of education in supporting the effective use of assistive technology, especially augmentative and alternative communication technology, for individuals with severe disabilities at Temple University and the University of Nebraska.

Roger C. Shouse, associate professor of education, to teach courses on theory, policy and practice of U.S. schooling, and on leadership, power and authority as portrayed in American cinema at the National Sun-Sea-Sun University or Flinders Teachers College.

Robert I. Stevens, associate professor of educational psychology, to investigate effective reading instruction and the development of reading fluency with a particular emphasis on the use of these instructional practices in high-poverty schools at the University of Georgia and the University of Illinois.

Hoi K. Suen, professor of educational psychology, to conduct an in-depth review of scoring, contents, security, psychometrics, values, utility and social consequences of the historical Kex examination system at Beijing Normal University.

Beverly J. Vandiver, associate professor of education, to take training in three advanced areas of statistics and measurement, Rasch measurement, hierarchical linear modeling and generalizability theory, and to advance research in scale development and cultural identity at the University of Iowa and the University of Chicago.

College of Engineering

Jesse L. Barlow, professor of computer science and engineering, to conduct collaborative research in the interdisciplinary area of numerical linear algebra and image processing at the City University of New York.

Nimal K. Bose, Charles H. Fetter University endowed professor of electrical engineering, to conduct collaborative research on applications of Groebner bases in multidimensional signal processing at Johannes Kepler University and to initiate research on genomic signal processing.

William D. Burgos, associate professor of environmental engineering, to conduct collaborative research related to metal and nonmetallic contamination of groundwater, and to obtain experience with associated chemical reaction models at the Colorado School of Mines.

Eric P.P. Burnett, Bernard and Henrietta Hankin Chair in Residential Building Construction and professor of Architectural and Civil Engineering, to initiate a research program on building enclosure problems related to environmental conditions associated with the northern coast of North America, and to assist in the development of coursework and a research program in this area at the University of British Columbia.

John M. Cimballa, professor of mechanical engi-

neering, to co-author a textbook, *Fundamentals of Fluid Mechanics*, which is intended for junior-level engineering students.

Richard E. Deon, associate professor of engineering graphics, to expand the international design activities and to explore a research agenda in design, compatible with the new program directions in engineering design and graphics at the University of Leeds, the University of Artois and the University of Navaro.

Tse-Yun Feng, Binder professor of computer engineering, to improve course materials and to prepare a book-length manuscript.

Farhan S. Ghandi, associate professor of aerospace engineering, to conduct collaborative research in the areas of intelligent and nanodamping treatments, and smart materials and structures at Sheffield University and the National Renewable Energy Laboratories in Colorado.

Louis F. Geschwindner Jr., professor of architectural engineering, to study current practices in the design of steel structures as practiced by the major structural engineering design firms in the United States at the American Institute of Steel Construction in Chicago.

Gary L. Gray, associate professor of engineering science and mechanics, to develop a statistics and dynamics textbook which emphasizes the use of problem-based learning, and to develop an accompanying CD-ROM that will include a tutorial for the mathematical software, example problems and instructor solutions for homework problems in Illinois and New York.

Akhlesh Lakhtakia, professor of engineering science and mechanics, to conduct research on optoelectronics of chiral sculptured thin films, and to write a research monograph on sculptured thin films at the Imperial College of Science, Technology and Medicine.

John D. Mathews, professor of electrical engineering, to enhance activities, publications and funding opportunities surrounding radar meter research at the Swedish Institute of Space Physics.

Russell F. Messier, professor of engineering science and mechanics, to conduct collaborative experiments on sculptured thin films of biomaterials and to co-author a research monograph on sculptured thin films at the University of Granada.

Arthur T. Motta, associate professor of nuclear engineering, to conduct experiments and modeling in the field of irradiation induced precipitation and dissolution of second phases in Zr-based alloys at the Commissariat d'Energie Atomique in France.

M. Kevin Parfitt, associate professor of architectural engineering, to assemble a collection of detailed case history information on building performance failures for teaching, student reference and future research at Faculty Engineering Associates in Virginia.

Rajeev Sharma, associate professor of computer science and engineering, to conduct research in the area of human computer interaction at Advanced Interface Technologies in State College, Pa.

Paul J. Tikalsky, associate professor of civil engineering, to conduct collaborative research on the development of a new method to predict structural and service-life reliability for worldwide building codes at the Czech Academy of Sciences and the University of Nevada Reno.

Penn State Erie

Michael A. Campbell, associate professor of biology, to conduct research related to the functional complementation of microorganisms for rapid identification of *Arabidopsis* genes at Rutgers University.

Antonella Cupillari, associate professor of mathematics, to complete research related to a biography of Italian mathematician Maria Agnesi.

Sharon Dale, associate professor of art history, to complete a book-length manuscript that examines the intersection of art, religion and politics in the design and patronage of the Arca di Saint'Agostino.

Carl A. Kallgren, associate professor of psychology, to develop and begin implementation of a multi-component intervention for healthy youth development with an emphasis on reducing teenage pregnancy.

Victoria A. Kazemski, associate professor of psychology, to conduct research on developmental and age-related changes in the neuroanatomical foundations of learning processes at the University of Illinois at Urbana-Champaign.

William C. Lasher, associate professor of mechanical engineering, to develop and validate a computational model for the downward sail aerodynamics at The University of Auckland.

Penn State Great Valley

John J. Sosik, associate professor of management and organization, to study how leaders of high-tech organizations facilitate the assimilation of new technologies into their organizations.

College of Health and Human Development

Collins O. Akinribunwa, professor of behavioral health, to develop a cultural analysis for evaluating successful national programs on HIV/AIDS prevention, care and support at the Department of Public Health Science in Paris and the Sheikh Amin Dipp Center in Nigeria.

John L. Beard, professor of nutrition, to conduct collaborative research on how iron modifies neuronal metabolism and how iron distribution in the brain is regulated by age, gender and iron status at Hershey Medical Center.

Robert B. Eckhardt, professor of developmental genetics and evolutionary morphology, to join an international team of researchers to study biochemical aspects of bipedalism from the 6-million-year-old remains of early hominids that were recently found in the Tugen Hill of Kenya at the Museum of Natural History in Paris and the University of Pittsburgh.

Karen L. Fingerman, associate professor of human development and family studies, to write a theoretical paper addressing changes and continuities in social ties from birth to late life and to publish an edited volume addressing personal relationships across the life span.

Thomas A. Frank, professor of communication disorders, to acquire knowledge of innovative instructional methods and technologies for delivering distance education opportunities for undergraduate and graduate students at Penn State and to practicing speech/language pathologists and audiologists at their work site or home at the Pennsylvania College of Optometry



Leaves of Absence 2002-03

Continued from page 9

and Nova Southeastern University.

Adèle W. Mickel, associate professor of communication disorders, to conduct collaborative research on the development of English literacy in Spanish-speaking children at Harvard University.

A. Catharine Ross, professor of nutrition and Dorothy Focher Hoch chair in nutrition, to further scholarship and professional development through writing and editing a textbook, *Modern Nutrition in Health and Disease*, and gaining new experience in molecular biology relevant to current research program at Iowa State University.

Semyon M. Slobounov, associate professor of kinesiology, to contribute to the development of the brain-computer interface based on the multi-channel brain activation records at the University of Tübingen.

Dagmar Stenlund, associate professor of kinesiology, to extend present research to three institutions that will provide complementary research expertise involving neuro-imaging experiments testing the skill acquisition process at the University of California at Berkeley, the University of Pennsylvania and the University of the Saarland.

Cynthia A. Stiller, professor of human development, to develop a developmental model of emotion regulation, which incorporates theoretical frameworks from developmental psychopathology, temperament/personality and psychophysiology at The University of North Carolina.

College of the Liberal Arts

Michael H. Bernhard, associate professor of political science, to complete a book-length manuscript on how new democracies pick their institutions and how this choice affects their prospects, for success, based on four cases drawn from German and Polish history.

Alan A. Black, professor of Jewish studies and administration of justice and director of the Jewish Studies Program, to complete a book, *Years of Living Dangerously*, the story of the launders of Russian money by the Bank of New York during the 1930s.

Louis G. Costantou, associate professor of psychology, to conduct research to understand and improve psychotherapy, including a co-edited handbook, several empirical papers and a grant renewal.

Daniel W. Conway, professor of philosophy, to complete two separate book projects devoted to Danish philosopher Søren Kierkegaard (1813-1855).

Suzanna L. DeBoo, associate professor of political science, to co-write a book presenting and testing a new theory on the role of the economy in determining both individual voter choice and election outcomes.

Alan Derickson, professor of labor studies and history, to complete a draft of a book-length manuscript on the history of ideals of universal access to health care in the United States.

Amy S. Greenberg, associate professor of history, to complete a draft of a book-length manuscript, *Expansionism and American Culture, 1848-1860*, a study of the culture and politics of American territorial expansionism between the war with Mexico and the American Civil War.

Thomas A. Hale, liberal arts professor of African, French and comparative literature and head of the Department of French, to work on a collaborative project on African women's songs which will bring to the forefront the voices of African women who use songs as a mode of expressing individual, social and political concerns.

Irene E. Harvey, associate professor of philosophy, to complete the research and writing of a book-length manuscript, *The Nature and Structures of Hunting? A Postmodern Analysis*.

Marie E. Hejnicak, associate professor of political science, to continue research on disease communities as political actors, focusing on why some diseases gain significant federal funding and attention and others do not, and to prepare the results for publication.

Michael T. Kiernan, associate professor of English, to work on a critical edition of Francis Bacon's *Historie of the Reigne of King Henry the Seventh and Other Works of the 1620s* at the Bodleian Library, the Folger Shakespeare Library, and the Huntington Library.

John H. Kramer, professor of sociology and justice, to conduct research for a book and several articles on Pennsylvania's sentencing reform over the past 25 years.

Alphonse F. Lingis, professor of philosophy, to complete a book-length manuscript, *World of Honor*, a book of original insights in the pragmatics of language and epistemology at Oxford University and the University of Paris-Sorbonne.

Cathleen M. Moore, associate professor of psychology, to conduct collaborative research on the relationship between two known limitations of visual information processing at the University of British Columbia.

Jonathan T. Morikoff, associate professor of psychology, to conduct collaborative research on voluntary human action at the University of British Columbia.

B. Richard Page, associate professor of German, to conduct research on the English and Pennsylvania German languages as spoken by the Amish and Mennonite communities in central Pennsylvania.

William A. Pencak, professor of American history, to examine the major early American Jewish communities (Charleston; Lancaster; Newport, RI; New York; Philadelphia; and Savannah) before 1800, and examine the nature of Jewish-gentile relations and the development of anti-Semitism in the latter part of the 18th century at the University of Pennsylvania, the University of Edinburgh, the University of Glasgow and the University of Stirling.

B. Barry Ruback, professor of crime, law and justice, and sociology, to investigate human reactions to social and environmental stressors in three capital cities in South Asia at Aliahabad University.

John C. Sallis, Edwin Erle Sparks professor of philosophy, to complete a book-length manuscript on philosophical concepts of translation at the University of Freiburg.

John L. Setzer, professor of English, to begin work on the third of a four-volume series of books that analyze the works of the literary and rhetorical theorist Kenneth Burke.

Stephanie A. Shields, professor of psychology and women's studies, to write a book, *Women, Work and Emotion*, that is concerned with emotion as a gendered feature within the workplace, particularly for women.

Garrett A. Sullivan, associate professor of English, to complete a draft of a book-length manuscript, *Planting Obivion: Forgetting and Identity in Shakespeare, Marlowe and Webster*.

Alan C. Walker, distinguished professor of anthropology and biology, to study and write a historical account of the discovery and changing significance of ape remains based on research on the bones at the National Museum of Kenya and the Natural History Museum in London.

James W. Wood, professor of anthropology and demography, to complete a book-length manuscript on the epidemiology and demography of the Black Death (1347-1350), to develop new statistical methods for use with ancient DNA sequences of syphilis, tuberculosis, leprosy and other pathogens recovered from archaeological bone samples; and to initiate a major new project on the demographic and ecological history of the Orkney Islands at Odense University.

Paul B. Youngquist, associate professor of English, to complete a book-length manuscript about contemporary fiction, *Body Swathers: Fiction and the Colonization of the Flesh*.

College of Medicine

Veer P. Bhavanandan, professor of biochemistry and molecular biology, to contribute to the enhancement of existing courses and to help develop new courses in the Departments of Biochemistry and Biology at Sultan Qaboos University.

Eberly College of Science

Eric D. Feigelson, professor of astronomy and astrophysics, to conduct collaborative research on understanding X-ray emissions from young stars, connecting to previous observations made with collaborators with the Chandra satellite at the Commissariat à l'Energie Atomique and the Australian Defence Force Academy.

John H. Golbeck, professor of biochemistry and biophysics, to conduct collaborative research in advanced forms of electron paramagnetic resonance spectroscopy so that these techniques can be applied to the study of primary reactions in photosynthetic systems at the Free University of Berlin.

Nigel Hizon, distinguished professor of mathematics, to conduct collaborative research in operator algebra theory at the Erwin Schrödinger Institute and the University of Chicago.

Zhi-Chun Lai, associate professor of biology and biochemistry and molecular biology, to investigate how neuronal cells are specified during the *Drosophila* eye development through a genomic approach at the Genome Institute of Singapore.

Qi Li, associate professor of physics, to study magnetic and superconducting thin film and nanostructures using various scanning techniques at Stanford University, the University of Liege and the University of Geneva.

Ying Liu, associate professor of physics, to conduct collaborative research on the spin-triplet superconductor Sr₂BaCu₃ at the National Center for Scientific Research at Grenoble.

B. Tracy Nixon, associate professor of biochemistry and molecular biology, to learn advance techniques in nuclear magnetic resonance spectroscopy and crystallography at the University of California, Berkeley.

James L. Rosenberger, professor of statistics, to initiate new research projects relating to the design of microarray experiments and to review the design of statistical curricula at Moi University.

Paul E. Sokol, professor of physics, to conduct collaborative research on the microscopic dynamics of quantum systems, such as helium and hydrogen, and to pursue the development of a cold neutron chopper spectrometer at the National Center for Neutron Research in Washington, D.C.

Richard A. Wade, associate professor of astronomy and astrophysics, to conduct collaborative research on the origin, evolution and properties of hot subdwarf stars in the galaxy and other stellar systems at the Space Telescope Science Institute in Baltimore.

Alexander Wolsczak, Evan Pugh professor of astronomy and astrophysics, to conduct collaborative research on searches for extrasolar planets and to work on pulsars and gravitational wave detection at the California Institute of Technology and the Max-Planck-Institute for Radioastronomy.

Xiaoning Xu, associate professor of physics, to conduct collaborative research on high temperature superconductive thin films at Stanford University and Conductus Inc. in California.

Jinchao Xu, professor of mathematics, to complete several collaborative projects, to initiate a new research direction and to complete a research monograph on multigrid methods at several research institutions at the University of California, San Diego, and the University of Heidelberg.

University Libraries

Joanna V. Ezell, associate librarian, head of the Montalto Campus Library and interim director of Academic Affairs, Montalto Campus, to complete the research for and to write a play about Angelina and Sarah Grimké, important 19th century Quakers who championed women's rights and fought against slavery at The Library of Congress, Howard University, Philadelphia Free Library, Radcliff College and the Society of Friends Library.

Heinr. R. Harwell, associate librarian and business librarian, to investigate patent and other business information outreach services of use to independent inventors and other entrepreneurs at the U.S. Patent and Trademark Office in Washington, D.C.

Annanda L. Mappe, associate librarian and head of the Arts and Humanities Library, to study the development of improved information retrieval systems for music collections.

Linda R. Musser, librarian and head of the Earth and Mineral Sciences Library, to conduct research related to the availability, accessibility and condition of mine maps of Pennsylvania.

Harold B. Shill, librarian and director of the Capital College Libraries, to examine the relationship between library facility improvements and library use in American colleges and universities.

Loanne L. Szarely, associate librarian and head of Instructional Programs, to study learning that has taken place in the course of experiencing information literacy programs.



Focus on Research

Analysts propose pre-Medicare insurance plan

By BARBARA HALE
Public Information

As Congress and the Bush administration get set to overhaul Social Security and Medicare, University health policy analysts have published a plan to address the health insurance dilemma those age 62 to 64 face when they're too young for Medicare but don't have access to an employer's health plan.

Pamela Farley Short, professor and director of the Center for Health Policy Research, led the study. She said, "Some Americans will lose coverage through their employer's health plan if they retire at 62, the age at which they first qualify for Social Security. Others already lack health insurance at 62 because they stopped working or have jobs that don't provide coverage. Many cannot afford the high cost of an individual policy at that age. Being uninsured is a particularly significant problem among people 62 to 64 because the risk of serious and costly illness is greatest for older age groups."

With support from the Commonwealth Fund Task Force on the Future of Health Insurance, Short and co-authors Dennis Shea, professor of health policy and administration, and Paige Powell, a doctoral student, developed a solution.

The researchers propose that everyone over age 62 be allowed to purchase coverage through Medicare at a community-rated premium. For individuals and couples with low lifetime earnings, they propose government-subsidized vouchers that could be used either to buy into Medicare or to pay for private health insurance. To help everyone else save for health insurance after age 62, when premiums are high because of the greater likelihood of large claims for older policyholders, the researchers propose tax-free medical insurance savings accounts.

"Currently, non-group insurance, which is very costly, is more prevalent among the pre-Medicare population than any other age group. We propose giving all people 62 to 64 access to a source of insurance that achieves some of the economies of scale offered by large employer plans," said Short. "We favor Medicare over new sources of insurance because this age group is only three years away from enrolling in Medicare anyway."

The authors noted that their proposal does not favor either work or retirement for people age 62 to 64 since both workers and early retirees would be eligible for pre-Medicare vouchers and savings accounts. However, they added that, by providing all older Americans with access to group insurance and by basing



Pamela Farley Short, professor and director of the Center for Health Policy Research, led a study on addressing the health insurance dilemma for people ages 62 to 64.

Photographer Greg Gileco

subsidies on lifetime earnings, their proposal will encourage some people to retire earlier.

Barbara Hale can be reached at bah@psu.edu.

Structured time may be linked to child development

The way a 10-year-old child spends his or her free time is closely related to how well-adjusted that child is now and will be in two years, a recent study revealed.

Devolving more of that free time to structured and supervised activities, such as hobbies and sports, appears to enhance a child's academic, emotional and behavioral development at this age. Spending more time playing outdoors amid hanging out, in contrast, appear to detract from development, the study found.

These findings came from research conducted by a University team including Susan M. McHale, professor of human development and family studies, and her colleagues, Ann C. Crouter, professor of human development and family studies, and Corinna Tucker, who earned her doctorate at the University. McHale noted that American children enjoy a tremendous amount of free time — up to 50 percent of their waking hours, by some estimates. Previous researchers have speculated that the way this time is spent could strongly influence a child's emotional, academic and behavioral development.

McHale's research indicates they were right, and suggests why. Her team monitored how 198 white, middle- and working-class children in the fourth and fifth grades, averaging 10 years of age, spent their free time. The researchers also examined three indicators of development — school grades, depression levels and parental reports of bad conduct — at the same time as they monitored free-time activities. They looked at the same developmental markers two years later.

Northern 'rainforest' soaks up wastewater from University treatment plant

By JEFF MULHOLLEN
College of Agricultural Sciences

For nearly two decades the University has recycled all its wastewater by irrigating farm crops and forest areas. Now, thanks to tree research done in the College of Agricultural Sciences, the system will perform better.

"We have created a sort of northern rainforest," according to Todd Bowersox, professor of silviculture, a branch of forestry dealing with the care and development of forests. In the last seven years he has developed a plant community that can continue to absorb much of the 2 inches of wastewater that is sprayed on it every week of the year.

Normal rainfall in central Pennsylvania is 40 to 45 inches annually. The University sprays an additional 104 inches onto the wastewater recycling area near Tofrees in Patton Township. The irrigation field is part University land and partly

owned by the Pennsylvania Game Commission, known as State Game Land 176.

By replacing the typical central Pennsylvania forest of red oak, black oak, red maple and hickory — trees adapted to normal rainfall and acidic soils — with thirstier species that prefer less acidic soils higher in nutrients, such as bigtooth aspen, quaking aspen, silver maple, sycamore and green ash, Bowersox created a natural demand for wastewater.

The wastewater is disinfected and most of the nitrogen is removed at the University's sewage treatment plant before being pumped 2.5 miles to the 520-acre irrigation area. Overhead sprinklers dispense about 1 billion gallons of wastewater annually, which filters down to groundwater supplies.

The wastewater recycling system is critical to operation of the University, which has just a two- to four-hour storage capacity for wastewater, according to Bowersox. "So we must keep spraying," he said. "We had to develop a plant communi-

ty that could soak up the water."

The research began in 1995 when Bowersox observed that the existing trees in the irrigation area were deteriorating. There were no new tree seedlings and the overstory trees were beginning to die. When he analyzed the soil, he found it had changed since wastewater spraying began. Previously, the soil was acidic and lower in nutrients. Now it was less acidic with more nutrients from the wastewater.

"We changed things from conditions of low fertility and low rainfall to high fertility with much greater precipitation," explains Bowersox. "Clearly, we needed to find some species that would adapt to the new conditions."

"Our new tree-dominated community has a better opportunity to maintain a healthy, diverse forest that is necessary to recycle the University's wastewater," Bowersox said.

Jeff Mulhollen can be reached at jim29@psu.edu.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Fill 'er up



The rehabilitation project is complete on the dam and spillway at Stone Valley's Lake Perez, and the lake is beginning to refill. Although timing depends upon the weather, officials are planning to resume boating and fishing activity by late spring.

Photos: Greg Grieco

Stone Valley's Lake Perez begins slow refill process

Stone Valley's Lake Perez, barren and dry since its drainage more than a year ago as part of an extensive dam rehabilitation project, is now undergoing the slow percolation process that should fully restore the 72-acre lake by late spring.

In late December, the Pennsylvania Department of Environmental Protection reviewed the completed spillway and dam renovations. All aspects of the project were found to be acceptable, pending proper maintenance through the winter of erosion control devices and seeding of the embankment this spring.

With state approval, the dam's gate valve was partially closed, allowing water to begin recollecting in the dry lake. Some water is being continually discharged to Shaver's Creek below the dam to maintain its natural flow.

There is no way to precisely determine when the lake will be fully refilled since Lake Perez is fed by Shaver's Creek winter flow and normal rain or snow

events. However, Stone Valley is planning to resume all boating and fishing activities by late spring. As soon as the lake is nearly full, the Pennsylvania Fish and Boat Commission will stock it with trout for fishing season.

Until the lake is completely restored, visitors must observe caution walking on the exposed lake bottom or around the breast of the dam and spillway. Winter freeze, thaw and ice conditions may make surfaces very slippery.

The recently completed \$2.8 million rehabilitation project has made the Lake Perez dam the largest weir in the United States to use a reinforcement system of articulating concrete blocks.

This innovative system provides an embankment armored against erosion while creating a natural, aesthetic appearance that also protects the blocks from the elements.

For more information on lake conditions and recreation activities at Stone Valley, call Charlene Detwiler at (814) 863-0762.



Water slowly reclaims dry ground as Lake Perez begins to fill.



Intercom

INFORMING THE PENN STATE COMMUNITY

MAR 19 2002

FEBRUARY 14, 2002

Governor's proposed 2002-03 budget cuts University 5 percent

Gov. Mark Schweiker on Feb. 5 presented his proposed budget for the Commonwealth of Pennsylvania, which includes a 5 percent reduction from the 2001-02 appropriation for Penn State and other state-related universities.

"We understand the financial challenge the state is having, and Penn State must do its part to assist the state," said

President Graham B. Spanier. "But we are disappointed that Penn State, along with Temple University, Lincoln University and the University of Pittsburgh are being asked to bear a disproportionate share of the burden. A cut of nearly \$17 million for Penn State alone, if allowed to stand by the Legislature, would present serious challenges for the Uni-

versity, and inevitably place a much greater burden on students and their families.

"Moreover, the cuts to our agricultural research, cooperative extension and medical programs would be profound,

Budget, page 2

Student-athletes with 3.0 GPA hit record level

A summary of academic performance for the 2001 fall semester has revealed that almost 400 University Park student-athletes posted a grade point average of 3.0 or higher, Director of Athletics Tim Curley reported.

For the semester just concluded, a record total of 386 student-athletes had a GPA of 3.0 or above, which is 53.5 percent of the 714 young men and women who are actively participating in the University's 29 varsity sports, according to Diana Kenep, director of the Morgan Academic Support Center for Student-Athletes.

The percentage also was a record. There are approximately 800 University student-athletes, including those who are medically unable to participate or whose competitive eligibility has been exhausted but are working toward their degree.

Among the 386 student-athletes with a 3.0, 150 earned a 3.5 GPA or better to gain dean's list recognition. The 150 high achievers represent 20.8 percent of the University's active student-athletes.

The efforts of the Morgan Academic Support Center for Student-Athletes again was reflected in the latest NCAA graduation rate report, which showed that 75 percent of Lion student-athletes who began their careers in 1994-95 graduated within six years, well above the 58 percent national average.

The University's four-year graduation rate average for student-athletes was 77

Student-athletes, page 2

Project progressing



Work is progressing on the renovations to the Nittany Parking Deck on the University Park campus. The project, which temporarily has taken 301 spaces off-line, will add 523 spaces when it is completed. For more information, check the Web at http://www.psu.edu/ur/archives/intercom_2002/jan24/parking.html.

Photo: Greg Glico

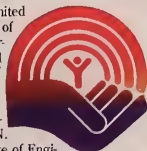
Campus United Way campaign exceeds goal

By BILL CAMPBELL
Special to Intercom

The 2001 University Park United Way Campaign raised a total of \$630,375, an increase of 11 percent over last year's drive and well above its goal of \$564,450.

"To say we are pleased with the results is an understatement," said David N. Wornley, dean of the College of Engineering and campaign chair. "I want to express my sincere thanks to everyone who played a role in this year's campaign. Through this highly successful effort, the University community has vividly demonstrated its concern for those in need in our local community."

United Way, page 2



Arboretum development focus is on visual appeal, education

By GARY W. CRAMER
Public Information

The most detailed plan unveiled yet for the future Arboretum at Penn State portrays the facility as a focal point for horticultural, environmental and related education — as well as a year-round tourist attraction — that will provide a new "front door" to the University Park campus.

The emphasis of the third and final public meeting addressing University plans for the arboretum, held on

Arboretum, page 3

Budget

Continued from page 1

with no tuition income available to offset the cuts," said Spanier. "Given that the governor proposes an overall modest increase in the state budget, our hope is that the Legislature will seek to restore this proposed cut."

Under Schweiker's proposal, Penn State would receive an allocation for 2002-03 of \$318 million. This is approximately

equal to what the University received from the state in 1999-2000, setting the University back three years in funding.

"We already receive less appropriation per student than any other public University in Pennsylvania, and less than any other Big Ten university."

Gary Schultz

"When inflationary costs are factored in, the proposed budget sets Penn State back \$35 million from 1995-96," said Gary Schultz, senior vice president for finance and business. "We already receive

less appropriation per student than any other public university in Pennsylvania, and less than any other Big Ten university. For years we have managed to run Penn State with less than our peers. Unfortunately, as the state's contribution continues to decline, the University will be forced to increase tuition much higher than we would like."

Student-athletes

Continued from page 1

percent, also considerably higher than the 58 percent national average.

Among Big Ten institutions, only Northwestern had a higher graduation rate than Penn State for student athletes who began their careers in 1994-95 as well as for the four-year average.

Penn State has had 26 student athletes earn Verizon All-America honors the past three years, including a record-tying nine in 2000-01, with eight and nine honorees the previous two years. A total of 92 Nittany Lion and Lady Lion student athletes have earned Academic All-America honors, the third-highest total among all NCAA Division I-A programs. Fifty-three of those selections have come over the last eight years.

Penn State also had 64 Academic All-Big Ten selections for the 2001 fall sports (cumulative 3.0 GPA or higher). Penn State has led all Big Ten schools in total honorees each of the past three years, with a school record 227 honorees in 2000-01.



25-Year Awards



James Fox



Christine H. Kellett



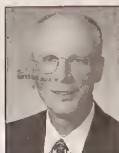
Renee Gittler



Ellen Andrews Knott



Neil A. Mercando



Stan Latta



Nancy Kurzingr



Clarence A. Lohr



Stephen G. Simpson

Observing 25 years of service at the University are, top row from left, James Fox, professor of law and director of the law library, and Christine H. Kellett, professor of law and director of agricultural law center, both at Penn State Dickinson School of Law; Renee Gittler, senior lecturer in chemistry at Penn State Lehigh Valley; and Ellen Andrews Knott, associate professor of English and division head for arts and humanities, and Neil A. Mercando, assistant professor of biology, both at Penn State Abington; second row, from left: Stan Latta, director, union and student activities in Student Affairs; Nancy Kurzingr, janitor in the Office of Physical Plant; Clarence A. Lohr, mechanic, Beaver Stadium in Intercollegiate Athletics; and Stephen G. Simpson, professor of mathematics in Eberly College of Science. **Observing 25 years of service at the University but not pictured are Beverly Aikey, janitorial worker, James E. Friday, plumber/fitter, Lynn A. Meryman, maintenance mechanic, utilities piping, and Arthur R. Rhoades, plumber/fitter, all in the Office of Physical Plant; Frederick M. Brown, associate professor of psychology in College of the Liberal Arts; Milton W. Cole, distinguished professor of physics in Eberly College of Science; Lewis Hohnka, financial officer III, and Donald N. Plourde, financial officer IV, both in Office of the Corporate Controller; Terry E. Houser, ice pavilion operator, and Robert S. Krimmel, assistant athletic coordinator, both in Intercollegiate Athletics; and Angela F. Holden, library supervisor IV, and June K. Owens, human resources coordinator I, both in University Libraries.**

United Way

Continued from page 1

Dean Wormley said the campaign was directed by a steering committee made up of 51 individuals representing all academic and administrative units of the University — 27 United Way teams in all. The unit teams, involving hundreds of faculty, staff and students, met often throughout the year as they planned and implemented unit campaigns.

At the campaign finale celebration, the following units that excelled in their campaigns were honored:

- Highest participation rate for units with one to 100 employees: Schreyer Honors College, 85.7 percent. Team leaders: Donna L. Meyer, Rosanna Mersinger and Anna Marie Nachman.

- Highest increase in dollars raised for units with one to 100 employees: College of Communications, an increase of \$3,707. Team leaders: Billie Young and Richard Taylor.

- Highest participation rate for units with 101 to 200 employees: Enrollment Management and Administration, 63.3 percent. Team leaders: Brett Hoffman and Heather Kuhn.

- Highest increase in dollars raised for units with 101 to 200 employees: Enrollment Management and Administration, an increase of \$1,817. Team leaders: Brett Hoffman and Heather Kuhn.

- Highest participation rate for units with 201 to 400 employees: Development and Alumni Relations, 62.6 percent. Team leaders: Judy Morgan and Marjory Sente.

- Highest increase in dollars raised for units with 201 to 400 employees: College of Earth and Mineral Sciences, an increase of \$5,230. Team leader: Linda Spangler.

- Highest participation rate for units with 401 or more employees: College of

Health and Human Development, 44.1 percent. Team leaders: Elana Pyle and Robert Lee.

- Highest increase in dollars raised for units with 401 or more employees: Office of Physical Plant, an increase of \$8,793. Team leader: Lloyd Rhoades.

- Highest special event amount raised: Computer and Information System, United Way Golf Tournament, \$8,500. Team leader: Paul Peworchik. Tournament co-chairs: John Dixon and Peworchik.

Receiving special recognition for their work on the campaign were Barbara Meeker, director of campus and community affairs; Linda Mullen, administrative assistant in the College of Engineering, and Roni Francke, staff assistant in University Relations.

Bill Campbell can be reached at wjcj@psu.edu.

Arboretum

Continued from page 1

Jan. 31, was on the earliest stages of development of gardens and supporting buildings on the "Mitchell Tract." The tract is an approximately 56-acre portion of the overall arboretum land bordering Park Avenue, adjacent to Schreyer House — the University's presidential residence — and the College Heights neighborhood.

When fully realized, the arboretum will stretch its formally designed features, along with an informal network of trails, maintained fields and ecologically diverse woods, over 395 acres that currently are in agricultural use or fallow. If \$10 million in lead gifts can be raised from private sources in the near future, the arboretum planners predict an opening in 2008 at the earliest.

An education/visitor's center that doubles as the entrance to a fenced-in portion of the grounds, a year-round conservatory, a pond with a fountain, a "March Bowl" garden of blue-and-white plantings and other gardens are components of the Mitchell Tract portion of the plan. Some of the other gardens will be themed around aquatic plants, roses and fragrances, home landscapes, birds, and fruits and vegetables.

"The gardens will become a major tourist attraction and cultural feature of the Centre Region, so we consider this unveiling of the plan to be a big milestone," said Kim C. Steiner, professor of forest biology and director of The Arboretum at Penn State. "We anticipate that besides visitors who are interested in the arboretum from a purely scenic or recreational point of view, it will be used heavily by University students in a variety of disciplines, guests from regional schools and professionals for whom the next nearest comparable arboretum may be at the University of Pennsylvania, Cornell University or the University of Michigan. We expect to attract about 160,000 visitors annually from outside the local community."

Missy Marshall, a landscape architect with Marshall-Tyler-Rausch LLC, Pittsburgh, explained that the firm's design for the Mitchell Tract aims to entice passersby on Park Avenue with views of the pond and March Bowl garden, both of which will be accessible at all times, and of the conservatory and education/visitor's center, which will have controlled access along with the rest of the tract grounds. Fencing in part of the grounds will help avert deer damage and provide security for valuable botanic collections and displays. More than 300 acres of the arboretum will be unfenced and available for hiking and biking at all times.

"The Mitchell Tract can become a



This tract of land off Park Avenue on the University Park campus is the heart of the proposed planned area of the arboretum. If \$10 million in lead gifts can be raised from private sources in the near future, planners predict an opening in 2008 at the earliest.

Photos: Greg Grieco

new "front door" to the University for drivers coming in from the new Route 99 — something that will show off the horticultural and educational strengths of Penn State as an educational institution as a counterpoint to Beaver Stadium and the nearby athletic fields," said Marshall, who developed the plan with partner Geoff Rausch.

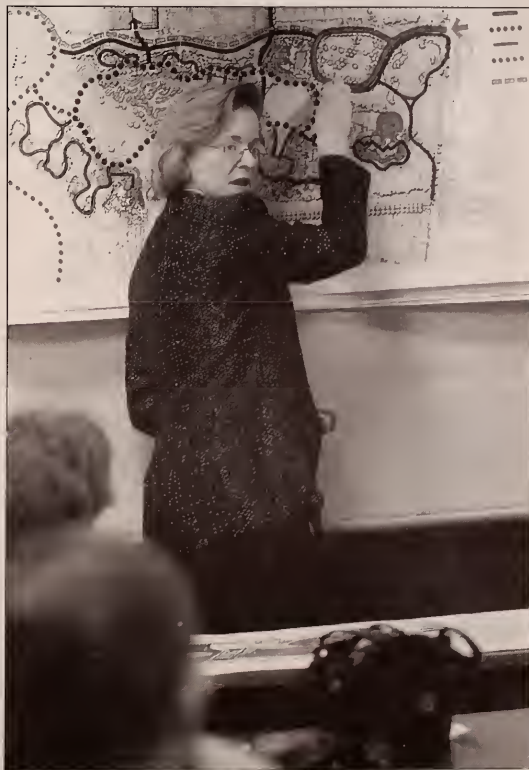
Marshall and Rausch have done major design work for such institutions as the Chicago Botanic Garden, the Missouri Botanical Gardens, Phipps Conservatory, Holden Arboretum and the Denver Botanic Gardens.

"These designers enjoy a strong national reputation for their work on many of this country's most prominent arboreta and botanic gardens, and we are extremely pleased with what they have done for us," Steiner said. "It is a grand vision, and these gardens and facilities will be one of the most significant enhancements to the University Park campus in our lifetimes. They will become the jewels of the campus."

Steiner noted that the Mitchell Tract master plan will be followed by plans for three other sections of the arboretum, and follows as a natural outgrowth of a preliminary master plan for the entire arboretum prepared with the assistance of Sasaki Associates, Watertown, Mass., in 1999. The three sections to be addressed in future master plans are the Overlook Heights section and the South and North Big Hollow sections.

According to Steiner, an important feature of the plan released two weeks ago is that the design and arrangement of the gardens and buildings is deliberately integrated with the arboretum's mission of education and outreach. Kindergarten through 12th-grade education is strongly emphasized, along with the adult education aspects that are standard features of all arboreta and botanic gardens.

Gary W. Cramer can be reached at guc104@psu.edu.



Missy Marshall, a landscape architect with Marshall-Tyler-Rausch LLC, Pittsburgh, explained the plans for the arboretum at the third and final public meeting on the topic.



Lectures

Effective prevention practices to be explored

Rebecca Wells, assistant professor in the Department of Health Policy and Administration, will give a presentation at the Prevention Research Center for the Promotion of Human Development seminar from 4 to 5 p.m., Feb. 20 in 209 South Henderson Building on the University Park campus.

The title is "The Center for Substance Abuse Prevention's RADAR Network as a Strategy for Disseminating Effective Prevention Practices."

For information, call Celene Domitrovich at (814) 865-2616 or e-mail cxd130@psu.edu.

'Green Economics' is topic of Feb. 16 lecture

"Green Economics: An Optimistic Approach to Human Interactions with the Environment" will be featured at a free public lecture given Feb. 16 by Timothy J. Considine, professor of mineral economics and director of the Center for Economic and Environmental Risk Assessment. The lecture is the fourth in the series titled "Planet Earth: Our Role in Its Health," the topic of the 2002 Penn State Lectures on the Frontiers of Science. This series of free public lectures takes place on six consecutive Saturday mornings from 11 a.m. to about 12:30 p.m. in 100 Thomas Building



Timothy J. Considine

on the University Park campus.

Considine will describe an optimistic view of human interactions with the natural environment, focusing on the development of strategies for transforming traditional economies into closed-loop systems that use of elements from one process as raw materials for another, rather than "end-of-pipe" pollution control.

He will describe the potential impact of using scientific innovations and new technologies as part of an "industrial ecology" approach to protecting and improving Earth's environment.

Talk examines impact of invasive plant species

Arthur Gover, research support associate in the Department of Horticulture, will present "Invasive Plant Species: A Brief Overview of Their Impacts and Initiatives to Contend With Them" from 3:35 to 4:25 p.m., Feb. 15 in 101

Agricultural Sciences and Industries Building on the University Park campus. The Department of Crop and Soil Sciences is host for the event.

For more information, call (814) 863-1601.

'Walk through Geologic Time' to benefit THON

Laura Guertin, assistant professor of earth and mineral sciences at Penn State Delaware County, has designed a "Walk Through Geologic Time," where she will give a presentation on the history of the Earth. Attendees will have the opportunity to learn what happened during various geologic periods and examine rock and fossil specimens that go back 2 billion years, including fossilized fish, grinding stones from the stomach of a dinosaur and dinosaur bones.

The event will be from 12:30 to 1:30 p.m., Monday, Feb. 18, in front of the Classroom

Building at Penn State Delaware County.

Guertin has made this a fund-raising event with the campus THON committee. THON, the University's annual 48-hour Dance Marathon, will take place Feb. 22 and 23 at University Park. Money raised from the event benefits children with cancer.

Guertin is asking that attendees bring change to place along the geologic time scale. The person who donates the most change will receive his or her own trilobite fossil, which is approximately 400 million years old.

For more information, call (610) 892-1427.

Panelists will deliberate the rise, fall of Enron

A panel discussion, "Learning from Enron," will be held from 7 to 8:30 p.m., Wednesday, Feb. 20, in 112 Wall Building on the University Park campus.

John Bagby, professor of business law and faculty research associate in the eBRC, will be one of several panelists

discussing the rise and rapid fall of Enron Corp.

The Problem-Based Learning in Entrepreneurship Program, in cooperation with the College of Engineering and The Smeal College of Business Administration, is presenting the event.

New IST series examines social creativity

Gerhard Fischer, professor and fellow of the Institute for Cognitive Science at the University of Colorado-Boulder, will speak at 4 p.m., Feb. 21 in 101 Thomas Building on the University Park campus.

His presentation, "Social Creativity and Meta-Design in Lifelong Learning Communities," is the second talk in a new Distinguished Lecture Series in the School of Information Sciences and Technology.

Fischer's areas of expertise are in computer-supported collaborative work and learning, artificial intelligence and cognitive science.

The IST Distinguished Lecturer Series is being coordinated by IST faculty member John Yen, University professor of information sciences and technology and professor of computer science and engineering.

VOICE Box workshops offer teaching strategies

Two workshops are scheduled for February and March as part of the VOICE (Variations of Innovation Changes in Education) Box program on the University Park campus.

Josephine Carubia, coordinator of student programs and service learning in the Schreyer Honors College, will facilitate a discussion and workshop on the pedagogy of academic service learning and on resources available for faculty who want to integrate service learning into a course from 8 a.m. to 10 a.m., Feb. 27 in the Schreyer Honors College. Bring a syllabus for a course participants would consider for a service learning project or for service learning pedagogy.

Jill Lane, research associate and program manager of instructional design in the Schreyer Institute for Innovation in Learning, will facilitate a discussion on Problem-Based Learning from 8 a.m. to 10 a.m., March 19 in 129 AB HUB-Robeson Center. Attendees should bring a copy of their syllabus to the workshop.

Both workshops include a continental breakfast beginning at 8 a.m. To register, complete the application form at <http://www.inov8.psu.edu/sit/work/workshops/voicebox.asp>.

For information, call Stephanie Bumgardner at (814) 865-8681 or e-mail svss8@psu.edu.

Women in science, engineering to attend VOICES

VOICES 2002, an annual networking conference for female graduate students in science and engineering, will be held from 10 a.m. to 3 p.m., Sunday, Feb. 24, in The Nuttall Inn on the University Park campus.

It will begin with brunch and a keynote panel on "Women and the Changing Work Force." Panel participants are Andrea Grazzini, Exogen Research; Karen Risha, scientist, Exogen Research; and Elizabeth Corwin, assistant professor, School of Nursing.

Sessions may include "Financial Planning in 2002," "CV/Resume Preparation" and "Balancing Your Career and Personal Life."

VOICES will offer a special workshop for undergraduate women titled, "Graduate School: Is it Right for Me?"

Preregistration is required and includes a fee of \$5 for students and \$10 for nonstudents. In addition to female graduate students, the conference is open to undergraduate students, faculty and professionals to network and interact with peers and colleagues in science and engineering.

For information on the conference or to request a brochure/registration form, call Katie Rung at (814) 865-3342 or e-mail kxr1@psu.edu.

Student, community panel tackles stereotypes

"Erasing Stereotypes" will be the focus of a panel discussion at 6 p.m., Feb. 18 at the Pennsylvania College of Technology Library.

The program, which is being sponsored by the library and the African Student Association,

in celebration of Black History Month, will feature discussion of stereotypes and ethnic diversity by Penn College students and community members.

The program is free to the public.

'Naked Truth' explores ad images

Jean Kilbourne will give a slide lecture, "The Naked Truth: Advertising's Image of Women," at 7 p.m., Feb. 20 in Alumni Hall of the HUB-Robeson Center on the University Park campus.

Kilbourne will explore the relationship of media images

to actual problems in society, such as violence, the sexual abuse of children, rape and sexual harassment, pornography and censorship, teenage pregnancy and eating disorders.

For information, call Linda LaSalle at (814) 863-0461.



Jean Kilbourne



News in Brief

Eating disorders are topic of Spanier radio/TV call-in

Eating disorders will be the subject of the next edition of "To the Best of My Knowledge," President Graham B. Spanier's monthly call-in show airing at 7 p.m. Monday, Feb. 18, on WPSU-FM and WPSX-TV.

Joining Spanier to discuss the current understanding of anorexia, bulimia and binge eating will be Dr. Richard Levine, a specialist in adolescent eating disorders at Hershey Medical Center, and Jill Morgan, a psychologist with Counseling and Psychological Services on the University Park campus.

Listeners with questions or comments are encouraged to call (800) 543-8242 during the one-hour broadcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.wpsu.psu.edu/tlbomb/> and they will be able to contact the president during the program via email to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of national and local interest and to allow listeners a chance to communicate directly with Penn State's president.

Academic advising lunch

The Division of Undergraduate Studies will be host for a brown-bag lunch, "Independent Learning/World Campus: What Every Adviser Should Know," from noon to 1 p.m. Friday, Feb. 22, in 119 Boucke Building on the University Park campus.

Gerald Goff, coordinator of advising and promotion for Continuing and Distance Education, will discuss the difference between Independent Learning and World Campus courses; direct participants to information resources about these courses; and identify those students who are good candidates for this kind of instruction.

The presentation is part of a series designed to provide advisers with an opportunity for professional development and networking and serve as a forum for the discussion of advising issues. All faculty and staff may attend.

For more information, call Laura Brown at (814) 865-7576 or email lsb7@psu.edu.

Proposals sought

Presentation proposals are being sought for the Penn State Web 2002 Conference May 15 at The Penn State Conference Center Hotel, University Park.

The conference is open to all University employees who support a Penn State official Web site as a server administrator, writer, designer, programmer or manager.

Presentations are typically 60 to 90 minutes in length. Lecture and panel discussion formats are welcome. To submit a proposal or to nominate an individual or group, complete the form at <http://www.psu.edu/>



In preparation for construction of the new IST building, the gates that marked the Atherton Street entrance to University Park are being moved back one block. As part of the process, the stones that made up the accompanying benches have been numbered so that they can be reconstructed in an identical manner.

Photo: Greg Grieco

webconference/surveys/call.html by Feb. 28.

For conference information, go to <http://www.psu.edu/webconference>.

Have lunch with professor

"Take Your Professor to Lunch" continues through March 1 on the University Park campus, offering faculty and students in large classes an opportunity to spend time learning more about each other outside the classroom.

Cosponsored by the Center for Excellence in Learning and Teaching and the USG Academic Assembly since 1997, the free lunch program is designed to help break down the barriers of anonymity in classes. Students in classes of 60 or more are eligible to participate.

Meal cards are provided for eligible students who make arrangements with their instructor and four to eight classmates to have lunch together on campus. Web registration is required.

Details and complete registration information are found at <http://www.psu.edu/celt/largelass/take-a-prof.html>.

Research exhibit planned

The Africana Research Center will hold an Undergraduate Research Exhibition from 8 a.m. to 5 p.m. Saturday, March 16, in 101 Thomas Building on the University Park campus. Participants in the exhibition were nominated by faculty and will present papers, posters or other audio/visual projects on their African Studies research.

For more information, call Michelle Way at (814) 865-6482 or email AfricanaCenter@lpsu.edu.

Corporate Spelling Bee planned

Adult Literacy Action of Penn State Beaver is accepting team registrations for the Seventh Annual Corporate Spelling Bee to be held at 6 p.m. Thursday, March 7, in the Penn State Beaver Study Learning Center Auditorium. Each team consists of three adult members with an entry fee of \$365. Groups or individuals can serve as sponsors by making a \$100 donation to the Spelling Bee or can be donors by making a donation in an amount of their choice.

All proceeds from the Spelling Bee will benefit Penn State Beaver Adult Literacy Action. For more than 23 years, ALA has assisted area adults in improving math, reading, writing and communications skills through free classes and various meetings and seminars.

To register, call (724) 773-7810 or email ALAction@psu.edu.

Office Professionals award

The Penn State Educational Office Professionals (PSEOP) is seeking nominations for the 2002 Outstanding Office Professional Award. The award recognizes office employees who provide exceptional service to Penn State. All current University office employees, with the exception of the officers and board members of PSEOP, are eligible for this award. Nominees will be evaluated on professionalism, initiative, leadership skills, self-improvement and volunteerism.

Nominations are due no later than March 29. Nomination forms can be downloaded using Adobe Acrobat Reader from the PSEOP Web site at <http://www.personal.psu.edu/org/PSEOP/newsletters/opa.pdf>. For

a paper copy of the form or more information, call Sarah Ann Miller at (814) 863-1864 or email sjb9@psu.edu.

Call for proposals

Faculty and teaching assistants from all disciplines may submit proposals for oral presentation or poster session for TLC Colloquy VIII, scheduled from 8:30 a.m. to 4:30 p.m. Wednesday, May 8, at The Penn State Conference Center Hotel on the University Park campus.

"Assessment Strategies to Stimulate Student Learning" is the theme for this year's event. Thomas A. Angelo, professor of education, associate provost and founding director of the Institute for Teaching and Learning at the University of Akron, will be the keynote speaker.

Proposals may relate to a wide range of topics. The deadline for submissions is Friday, March 1. Proposals will be selected for oral presentation and poster sessions by March 20.

Submissions for oral presentation and poster sessions may be made online at <http://www.psu.edu/dept/tlc/events/colloquy2002/callforproposals.html>.

For more information, call the Teaching and Learning Consortium at (814) 865-4442 or email TLC@psu.edu.

Memorial Fund established

Penn State Beaver has established a memorial fund to honor the life and work of the late John-Paul Mullis, associate professor of psychology, Mullis, 56, who died Jan. 13 from complications following heart surgery in December, had been a University faculty member since 1994.

The Memorial Fund for the John-Paul Mullis Psychology Collection at the Penn State Beaver Library will be used to purchase psychology and social psychology textbooks, publications and other related materials.

Donations can be made by mailing a check, payable to Penn State, to the Office of University Relations, Penn State Beaver, 100 University Drive, Monaca, PA 15061.

For information about donating, call Kathy Corcoran at (724) 773-3558 or call the University Relations Office at (724) 773-3817.

Volunteers needed

Volunteers are needed for a research study to develop a paper and pencil instrument to assess couple support for the diabetic dietary prescription. Participants must be Type 2 diabetics who are married or living with a partner to test the draft instrument about adjustment to the diabetic diet. Participants must be actively using some dietary measures to manage their blood sugar even if taking medication. Testing is planned for March.

For more information or to participate, call J. Lynne Brown at (814) 863-7785.



Arts & Entertainment

Ethos

Ethos Percussion Group and Grammy Award-winning drummer Glen Velez bring their world music sounds to the Center for the Performing Arts for a concert called "Earth/Rhythms" at 8 p.m. Saturday, Feb. 16, in Eisenhower Auditorium on the University Park campus.

Featuring an array of percussion instruments ranging from traditional to exotic to "found," both Ethos and Velez create medleys of songs to entertain and educate audiences of all ages. The University Choir will join Ethos and Velez to perform "Missa Luba," a Mass on Congolese themes.

Prices are \$20 for general audience members; \$15 for students; \$5 for University Park students; and \$10 for children 12 and younger. For tickets, group sales or information, call the Arts Ticket Center at (814) 863-0255 or (800) ARTS-TIX.

Artistic Viewpoints, an informal discussion about the performance that provides insight from an artist or expert perspective, is offered in the Eisenhower Auditorium Conference Room one hour before the performance and is free to ticket holders.



Mark Lusk, professor of music, directed these members of the Trombone Choir during a recent Bach's Lunch concert. The next segment of this series features "Sacred Jazz" at 12:10 p.m. Feb. 21 in Eisenhower Chapel on the University Park campus. For more information, see "Bach's Lunch" on this page.

Photo: Greg Grieco

'Sounds of Africa'

"Safarace: The Sounds of Africa," a dance and theatre program, will be presented at 7 p.m. Saturday, Feb. 16, in the Study Learning Center Auditorium on the Penn State Beaver campus.

The event, in celebration of Black History Month, is free to the public.

Viola recital

Timothy Deighton, assistant professor of viola, will present a viola recital at 8 p.m. Saturday, Feb. 16, in Esber Recital Hall on the University Park campus.

The recital is free to the public.

Chamber Orchestra concert

The Chamber Orchestra will present a concert at 5 p.m. Sunday, Feb. 17, in Esber Recital Hall on the University Park campus. Admission is \$2 for students and \$4 for adults.

Comedy at McKeesport

Mime and physical comedian Robert Post will bring his one-man show to Penn State McKeesport at 12:15 p.m. Feb. 19 in the Frable Conference Center. The performance is free to the public.

Post weaves physical dexterity and playful satire to create a host of characters. He incorporates such characterizations as an overzealous ballerina, a wacky chef, an accountant in overdrive, a British inspector, a corpse and four murder suspects into his act.

For more information, call David Day at (412) 675-9493.

'Copenhagen'

"Copenhagen," Michael Frayn's three-character thriller, examines a secret meeting where loyalty is tested, betrayal is suspected and friendship crosses enemy lines. The production will be on stage at 7:30 p.m. Tuesday, Feb. 19, in Eisenhower Auditorium on the University Park campus.

Tickets for this Center for the Performing Arts presentation are \$28 for general audience members; \$23 for students; \$13 for University Park students; and \$14 for children 12 and younger. For tickets, group sales or information, call the Arts Ticket Center at (814) 863-0255 or (800) ARTS-TIX.

An enhanced Artistic Viewpoints is offered in the Eisenhower Auditorium Conference Room at 6 p.m. on the day of the performance. Mel Gussow, theatre critic for The New York Times, will speak about "Copenhagen's" historical and artistic context and will facilitate a discussion about the play. Artistic Viewpoints is free to ticket holders, but this version, which includes a light meal, requires advance registration by calling (814) 863-0255.

Bach's Lunch

The Bach's Lunch concert will feature Sacred Jazz at 12:10 p.m. Thursday, Feb.

21, in Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Campus Ministry. Following the performance, audience members may take their bag lunches to Memorial Lounge of Eisenhower Chapel. Beverages are provided.

Bands join for concert

The Concert Band and the Symphonic Band will give a joint concert at 8 p.m. Thursday, Feb. 21, in Esber Recital Hall on the University Park campus.

Tickets cost \$3 for students and \$5 for adults.

Thon photographs

"The Digital Photography Studio: Penn State THON Photographs" will be exhibited through Feb. 28 at the Art Alley in the HUB-Robeson Center on the University Park campus.

The color digital photographs were taken by undergraduate students in Professor Gerald Lang's Art 491 — "Digital Photography in the Field" class. Students captured images of the 2001 IFC Dance Marathon in Rec Hall on the University Park campus.

Educational, cultural events

A variety of educational and cultural events are planned for the spring semester at Penn State Beaver.

The schedule is:

■ Phoebe Eng will lecture on "Cultural Fluency: Leading and Succeeding Without Borders" at 7:30 p.m. Thursday, March 14, in the auditorium of the Study Learning Center.

■ The Long Island Ballet Company will perform at 7:30 p.m. Tuesday, March 19, in the auditorium of the Study Learning Center.

■ Cathy Braaten, singer, songwriter and acoustic guitarist, will perform at noon Wednesday, March 20, in the Broadhead Bistro in the Study Learning Center.

■ Fritz Ottenheimer of the Holocaust Resource Center in Pittsburgh will present views of pre- and post-Nazi Germany at 7:30 p.m. Thursday, April 18, in the auditorium of the Study Learning Center.

All events are free to the public. For information, call (724) 773-3953.

Art exhibits announced

A number of exhibits currently are filling the galleries in the HUB-Robeson Center and other locations on the University Park campus.

■ "Historical and Contemporary Black Dolls" are on display through March 17 in the Robeson Gallery.

The exhibit includes dolls from private collections of artists and collectors displayed in the Robeson Gallery and 35 dolls from the collection of the Philadelphia Doll Museum displayed in the wooden cases near the HUB Gallery and Heritage Hall. A reception will be held from 1 to 4 p.m. Feb. 23.

■ "Oil Paintings and Decorated Wood Boxes" by Cheryl Agulnick will be displayed through Feb. 20 in the HUB Gallery. The wood boxes are made collaboratively with the artist's husband Ken Hochberg, and are interactive.

■ Paintings by Lori Mitchell are being exhibited through March 1 in the Art Alley in the HUB-Robeson Center. These oil paintings are the honors thesis for this recent graduate and Schreyer Honors College scholar.

■ "King Kong's Charm Bracelet," an exhibit by Warren Muller, will continue through March 1 in Sculpture Corner in the HUB-Robeson Center.

■ "Photographic Ethnobotany: Peruvian Plants and People," photographs by Benjamin Chernel, will continue through May 12 in Warnock Commons of North Hall.

■ Prints by Rachael Simon will be exhibited through March 18 in Ritenour Building.



University Park Calendar

February 15 - February 24

MUSIC

Friday, February 15

"Anything Goes," 8 p.m., The Playhouse Theatre, through Feb. 23. For tickets, call (814) 863-0255.

Saturday, February 16

Faculty recital, Timothy Deighton, viola, 8 p.m., Recital Hall, Music I.

"Earthy Rhythms," percussion group, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Sunday, February 17

Chamber orchestra, Gerardo Eldestein, conductor, 5 p.m., Recital Hall, Music I.

Tuesday, February 19

"Copenhagen," 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Thursday, February 21

"Sacred Jazz," Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Symphonic Band and Concert Band, Dennis Glocke, conductor, symphonic band, Richard Sundry, conductor, concert band, 8 p.m., Recital Hall, Music I. For tickets, call (814) 865-0431.

Friday, February 22

"Celebration of African-American Spirituals," Anthony Leach, director, 4 p.m., Feb. 22; 8 p.m., Feb. 23; and 4 p.m., Feb. 24; Recital Hall, Music I. For tickets, call (814) 865-0431.

Saturday, February 23

Philharmonic Orchestra, Gerardo Eldestein, conductor, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

SEMINARS

Friday, February 15

Stefan Hollands on "Local, Covariant Interacting Quantum Fields in Curved Spacetime," 11 a.m., 318 Osmond Laboratory.

"Migration, Neo-liberalism and Latin American," panel discussion, noon, 1415 Burrows.

Shiraz Minwalla on "Closed String Tachyon Condensation on Twisted Circles," 2:30 p.m., 339 Davey Laboratory.

Juan Flores on "Nueva York, Diaspora City: Latinos Between and Beyond," 3 p.m., Foster Auditorium, Pattee Library.

Steve Lindberg on "Life Outside the Ivory Tower: Scientists in the Pharmaceutical Industry," 3:40 p.m., 127 Nol Physiological Research Center.

Arthur Gover on "Invasive Plant Species: A Brief Overview of Their Impacts and Initiatives to Contend With Them," 3:35 to 4:25 p.m., 102 Agricultural Sciences and Industries.

David Jansson on "Internal Orientalism and the Spatial Construction of American National Identity," 4 p.m., 301 Steidle.

Saturday, February 16

Timothy Considine on "Green Economics: An Optimistic Approach to Human Interactions with the Environment," 11 a.m. to 12:30 p.m., 101 Thomas.

Monday, February 18

Steven Keller on "Rational (and Not-So-Rational) Approaches to Novel Cui Coordination Polymers," 11:15 a.m., S5 Osmond Laboratory.

Jacob Waldman on "Catalytic Asymmetric Olefin Metathesis," 1:15 p.m., S5 Osmond Laboratory.

Tuesday, February 19

Luis Rafael Sánchez on "Conversatorio," 1 p.m., 102 Kern.

Piet Brouwer on a subject to be announced, 3:30 p.m., 339 Davey Laboratory.

Song Tan on "Structural Studies of Multi-Protein Complexes," 4 p.m., S5 Osmond Laboratory.

Jon-Paul Maria on "Replacement Gate Dielectrics for Sub-100 nm CMOS Devices: Achieving Stability During High Temperature Processing," 4 p.m., 22 Deike.

Wednesday, February 20

Steven M. Boker on "Fitting Models of Self-Regulating Processes to Repeated Observations: Factor Invariance and Dynamic Invariance," noon to 1 p.m., 108 Wartik Laboratory.

Joyce Robinson on "Matters of Race and Culture: Art and Identity in the 1980s and 1990s," 3 p.m., Lipson Auditorium, Palmer Museum of Art.



Juliet Hicks, above, plays Reno Sweeney in "Anything Goes," a musical cruise full of mistaken identities. Hicks is supported by sailors Marc Ginsburg, Chris Newell and Franklin Warfield. Shows take place at The Playhouse on the University Park campus through Feb. 23. For tickets, call (814) 863-0255.

Photo: Greg Niccio

Paul L. Rose on "Heisenberg and the Nazi Atomic Bomb," 4 p.m., 124 Agricultural Engineering.

Rebecca Wells on "The Center for Substance Abuse Prevention's RADAR Network as a Strategy for Disseminating Effective Prevention Practices," 4 to 5 p.m., S-209 Henderson.

Luis Rafael Sánchez on "Cámara en mano por la aguas del Caribe," 4 p.m., 112 Chambers.

"Learning from Enron," panel discussion, 7 to 8:30 p.m., 112 Walker.

Sean Kilbourne on "The Naked Truth: Advertising's Image of Women," 7 p.m., Alumni Hall, HUB-Robeson Center.

Thursday, February 21

Hendrik Poinar on "Molecular Coprosody: Searching Ancient DNA for Clues to the History of Life," 4 p.m., 112 Kern.

Gerhard Fischer on "Social Creativity and Meta-Design in Lifelong Learning Communities," 4 p.m., 101 Thomas.

Michael Chapman on "Atomic Bose-Einstein Condensation in a Laser Trap and Other Quantum Tolls for Ultracold Atoms," 4 p.m., 117 Osmond Laboratory.

Robyn Spencer on "Reflections on the Meaning of Malcolm X's Life 37 Years After His Death," 7 p.m., Pollock Commons.

Friday, February 22

Jorge Pullin and Rodolfo Gambini on a subject to be announced, 11 a.m., 318 Osmond Laboratory.

Eric Post on "Major Challenges in Assessing Ecological Response to Climate Change," 4 p.m., 301 Steidle.

Saturday, February 23

Eric Barron on "Creating an Environmental 'Intelligence' Center," 11 a.m. to 12:30 p.m., 101 Thomas.

EXHIBITS

HUB-Robeson Center

Paintings by Lori Mitchell, through March 1.

"The Digital Photography Studio: Penn State THDN Photographs," through Feb. 28.

"Historical and Contemporary Black Dolls," through March 17. Doll paintings and decorated wood boxes by Cheryl Agulnick, through Feb. 20.

"King Kong's Charm Bracelet," by Warren Muller, through March 1.

Palmer Museum of Art

"Sam Gilliam: Recent Prints," through May 26.

Digital work by John Paul Caponigro, through June 2. Pattee and Paterno Library exhibit areas

"Celebrating Martin Luther King Jr. and Black History Month," exhibit featuring 18 posters, through March 4.

"When Two or More are Gathered Together," Groups and Composite Images from the S. and H. Henisch Photo-History Collection, through March 30.

"John Biggers," "Charles L. Blockson," "Paul Robeson" and "Sketches from Todi: A Study Abroad Experience," through March 13.

Ritener Hall

Prints by Rachael Simon, through March 18.

Warneck Commons

"Photographic Ethnobotany: Peruvian Plants and People," photographs by Benjamin Chemel, through May 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Faculty Technology Initiative projects selected for development

Three new faculty projects have been chosen for development through the 2001-2002 Faculty Technology Initiative (FTI) program. The program, a service of the Center for Education Technology Services (CETS), helps faculty use technology to address specific instructional challenges.

Each year, CETS issues a call for FTI proposals to deans, department heads and faculty. Submissions are reviewed by a panel of faculty and administrators.

College of Engineering

"Collaboration on American Indian Housing Among Three Institutions," Department of Architectural Engineering, David Riey, associate professor; in conjunction with Sergio Pallero, associate professor, Department of Architecture, University of Washington; and Richard Little Bear, president, Dull Knife Memorial College.

Students from Penn State, the University of Washington, and Dull Knife Memorial College, located on the Northern Cheyenne Indian Reservation in Montana, are working together to improve American Indian housing using straw bale construction methods. Some students are focusing on architecture; some on the climate; others on cultural aspects of the endeavor, such as the type of housing residents are used to and local customs. CETS will help to establish a collaborative online work space enabling students and faculty from the three schools to share files, critique work and

participate in threaded discussions. This will make use of Penn State's Course Management System, ANGEL. CETS also will assist with a video-conferencing session between Penn State and the University of Washington. Additional support will include constructing a Web-based database for course resources; creating multimedia and graphical elements that illustrate the straw bale building process; and creating "how-to" and promotional videos.

College of the Liberal Arts

"Improving Course Management in Large Enrollment Race and Ethnic Relations Classes," Department of Sociology and Department of African and African-American Studies, Samuel M. Richards, senior lecturer in sociology, adjunct instructor in African and African-American studies.

The Race and Ethnic Relations course had an enrollment of 250 students in the past, but has since doubled in size. Each year, 70 undergraduate teaching assistants (TAs) help facilitate student team discussions and monitor student journal entries, grades and attendance. CETS will provide tools for the faculty to keep track of the TAs, and for the TAs to keep track of student progress. A Web site will be developed to train TAs in facilitating discussions and handling various situations, with video clips to illustrate participation and body language. In addition, CETS will help develop support materials for teaching specific topics. These

materials include an online survey about student attitudes toward race and ethnicity, and automation of an "exploring prejudice" photo exercise.

College of Earth and Mineral Sciences

"Web-Based Simulation Module for Insulation and Energy Conservation," Department of Energy and Geo-Environmental Engineering, Sarma V. Pisupati, assistant professor.

The general education course Energy Conservation and Environmental Protection creates awareness of housing insulation's effect on fuel costs, energy conservation and air pollution among non-scientists. Currently, students experiment with insulation materials in various thicknesses using a physical model. However, it is difficult for all the students to schedule a time to conduct experiments using this model, which is heavy and cumbersome to manipulate. CETS will help develop a Web-based simulation module to model insulation materials and wall thickness and composition. This will be easily accessible to all students, although the physical model also will remain available to those interested. Each student will be able to experiment with variables and dynamically observe how changing parameters will affect fuel costs and energy efficiency. It is hoped that this module will serve as an exemplar for possible additional modules.

Office of Human Resources has benefits reminders for employees

The Office of Human Resources would like to remind faculty and staff of some upcoming benefits deadlines and the availability of some benefits programs.

Flexible benefits reimbursements

Flexible benefits requests for reimbursement for services incurred in 2001 must be submitted on or before March 31. Reimbursements are based on the date that the service occurred, not on the date of payment, so only services from Jan. 1 through Dec. 31, 2001, are eligible.

2001 major medical claims

March 31 also is the last date HealthAmerica and Corporate Health Administrators will accept Major Medical Claims for Healthpass and Plan A for 2001 charges from faculty and staff members or their dependents.

Employee Assistance Program

The Employee Assistance Program (EAP) provides confidential counseling sessions for University faculty, staff and members of their household for help with difficult life or work situations. Up to three visits per problem situation are paid for by the University. To receive a free consultation,

call the Penn State-EAP at (800) 858-2778. Employees in the College of Medicine at Hershey Medical Center should call (800) 543-5080.

SERS retirement account statements

The annual statement of account that each State Employees' Retirement System (SERS) participant receives will be mailed to the participant's home address again this year. In order to receive your statement in a timely manner, employees' home addresses must be current. The only method of changing a home address is to complete a new W-4 form through the Payroll Department.

Tax-deferred annuities

Recently enacted federal tax legislation made significant changes to the amounts that faculty and staff may contribute to a tax-deferred annuity (TDA) beginning this year. For this calendar year, TDA participants are limited to 100 percent of their salary or \$11,000, whichever is less. Participants who are age 50 or older, including those who will reach their 50th birthday this year, may contribute an additional \$1,000 as part of a "catch-up" provision. Both the \$11,000 basic limit and the \$1,000 catch-up amount are

scheduled to increase by \$1,000 each year through 2006.

Contribution amounts will not increase automatically. Faculty and staff who wish to take advantage of the increased maximum contribution levels must complete a new voluntary salary reduction agreement form. Those forms are available for download from the Employee Benefits Division's Web site at <http://www.ohr.psu.edu/benefits/vsra.htm>. Contribution amounts may be changed at any time during the year. Voluntary salary reduction agreement forms are due in the Employee Benefits Division office by the first business day of the month.

Employee Benefits Web site

The Employee Benefits Division Web site provides faculty and staff with a variety of benefits-related information. Among this information are the benefit plan descriptions for Plan A, the Healthpass PPO, flexible benefits and the University-sponsored dental and vision programs. Each provides detailed descriptions of the coverage being provided.

Additionally, the Web site provides access to the forms necessary to make eligible benefit changes. Faculty and staff are encouraged to review the Web site at <http://www.ohr.psu.edu/benefits/benefits.htm>.

AWARDS

Sea Grant Program earns environmental excellence award

Environmental Rediscoveries, the flagship educational initiative of Pennsylvania Sea Grant, was recognized for its outstanding environmental educational programming. Gov. Mark Schweiker presented the program's staff with a 2001 Governor's Award for Environmental Excellence at a ceremony in Harrisburg. Penn State Erie is home to Sea Grant.

Sea Grant staff Anne Danielski, Pennsylvania Sea Grant and coastal education and maritime specialist, and Eric Obert, coastal environmental specialist, were in Harrisburg to receive the award, along with Jim Stewart, director of the Bayfront Center for Maritime Studies, and Richard Eisenberg, associate director.

The Environmental Rediscoveries program is a partnership between Sea Grant, the Bayfront Center for Maritime Studies and the Pennsylvania Department of Environmental Protection.

For more information, check the Web at <http://www.pseri.psu.edu/seagrant/education/erhtml>.

Eberly College grads named Alumni Fellows

Two graduates of the Eberly College of Science — Judith Davenport, a retired dentist, and Monica Morrow, professor of surgery at Northwestern University Medical School — have been named Alumni Fellows by the Penn State Alumni Association.

The award is the most prestigious honor given by the association.

Davenport, a 1961 graduate with a bachelor of science in medical technology, retired in 2000 after 21 years of practicing general dentistry in private practice in downtown Pittsburgh. She is a former dental consultant for Dental Plus, United Concordia of Pennsylvania Blue Shield and co-founder of Sheridan Broadcasting Corp. Davenport was a longtime member of the American Dental Association, the Pennsylvania Odontological Society and the American Association of Women Dentists. She served on the Dental Review Committee of Highmark Blue Shield.

Morrow, a 1972 graduate with a bachelor of science degree, is professor of surgery at Northwestern University Medical School and holds a joint appointment as director of the Lynn Sage Comprehensive Breast Program at Northwestern Memorial Hospital in Chicago. Morrow serves as director of the American College of Surgeons' Cancer Department and as executive director of the American Joint Committee on Cancer. She has received numerous awards. Morrow also serves as Northwestern Memorial Hospital's director of clinical breast programs.



Appointments

New director named to Office of Continuing Education

Sharon L. Fross has been appointed director of the Office of Continuing Education.

The office is part of the Division of Continuing Education in Outreach and Cooperative Extension. It serves 10 counties in central and north central Pennsylvania. Also administrators continuing education offices in Williamsport and Lewistown, where Continuing Education collaborates with Cooperative Extension to offer outreach programs.

As director, Fross will lead the implementation, administration, operation and review of credit and noncredit continuing education programs and outreach activities for the Office of Continuing Education and its satellite offices. She also is responsible for developing and implementing a comprehensive marketing strategy for



Sharon L. Fross

continuing education programming.

Fross previously was assistant vice president for academic affairs and director of the Light-Sayer Center, Continuing Education and Conference Services at the College of Charleston in Charleston, S.C. During her 16-year tenure at the College of Charleston, she served in a variety of administrative positions, including director of professional and community services and director of projects for the Office of Academic Affairs.

Fross earned a bachelor of arts degree in history from the College of Charleston in 1982, a master of public administration degree from the College of Charleston/University of South Carolina in 1987 and a doctoral degree in educational administration from the University of South Carolina in 1998.

New coordinator appointed to Gruskin Learning Center

Dinah L. Marcink was named coordinator for the John H. Gruskin Learning Center at Penn State McKeesport.

Marcink holds a bachelor of arts in history, with a minor in English, and a bachelor of arts in German from Indiana University of Pennsylvania. She previously taught English abroad and has a certificate in English language teaching to adults from Inter-

national House, an international certification organization.

Marcink is completing a master of arts in curriculum and instruction at Point Park College. She has been tutoring students in various subjects, including English as a second language and had taught English conversation at AEON Intercultural Corp. in Suwa, Japan, from 1995 to 1998.

Director named to McKeesport Academic and Career Center

Annita Scotland has been appointed director of the Academic and Career Excellence (ACE) Center at Penn State McKeesport.

Lydia Lockhart, previous ACE director, joined the McKeesport faculty in business.

Scotland previously served as Learning Center coordinator from 1997 until being named to her new position. From 1994 to

1997 she served as coordinator/counselor for the ACE Center.

Scotland holds a bachelor of science in mass communication from Bradley University, Peoria, Ill.; a master of science in elementary education from Long Island University, Greenvale, N.Y.; and is a doctoral degree candidate at the University of Pittsburgh.

Alumni and development specialist named to post

Michele A. Kerrigan has been appointed as alumni and development specialist at Penn State Worthington Scranton.

Her responsibilities will include supporting local alumni projects and activities as well as overseeing the campus annual fund program and other development efforts.

Kerrigan graduated magna cum laude from Marywood University with a bachelor of arts degree in communications and summa cum laude from Bloomsburg University with a



Michele Kerrigan

bachelor of science degree in elementary education.

Before her appointment, she served as public relations director at Boscov's Department Store, marketing director with the Pennsylvania Northeast Territory Visitors Bureau, public relations coordinator with the Lackawanna County Commissioners and assistant director of communications for the Greater Wilkes-Barre Partnership. She also has taught in the Luzerne County school district.

Department of Nutrition chooses acting head as new leader

Michael H. Green, professor of nutrition science and physiology and acting head of the Department of Nutrition since July 1999, has been appointed to serve as permanent head of that department.

Green, who completed his undergraduate and graduate degrees at the University of California at Berkeley, joined the University faculty in 1975 after completing a postdoctoral fellowship in lipid biochemistry at Cornell University. He is considered a pioneer in applying mathematical modeling to study the metabolism of vitamin A and other nutrients. His models have been used to explain nutrient use under many different physiological condi-



Michael H. Green

tions and produced results that challenge previously held assumptions about nutrient metabolism.

Green, a former Fulbright Research Scholar to Norway, is a member of the American Society for Nutritional Sciences and its Graduate Nutrition Education committee, and the American Society for Clinical Nutrition. During his 26-year career at the University, he has held temporary appointments at the National Institutes of Health's National Cancer Institute, the University of Pennsylvania School of Veterinary Medicine, the University of Oslo in Norway and the Karolinska Institutet in Stockholm, Sweden.

Palmer Museum appoints new American art curator

Leo Mazow, former director of the Suzanne H. Arnold Art Gallery at Lebanon Valley College, has joined the Palmer Museum staff as curator of American art.

Mazow received his doctorate in art history in 1996 from the University of North Carolina at Chapel Hill, concentrating his research on 19th-century American painting.

In his former position, Mazow brought works by some of the world's most signifi-

cant artists to south-central Pennsylvania. In his new position, he will work with the Palmer Museum's growing collections of 19th- and 20th-century American art.

Mazow is the author of numerous academic publications on 19th-century American art and is former assistant professor of art at Lebanon Valley College. Before going to Lebanon Valley, he was a research associate in American art at the Huntington Library and Art Collections, San Marino, Calif.

PRIVATE GIVING

3M gift gives engineering students high-speed fiber optic network

A high-speed, fiber optic communication network designed to give businesses the ability to respond quickly to market changes will now be used to teach University engineering students about real-time decision making, thanks to a gift from 3M Co.

Company representatives unveiled the 3M Volition™ fiber optic network at a recent ceremony in the Center for Manufacturing Enterprise Integration, part of the Harold and Inge Marcus Department of Industrial and Manufacturing Engineering, on the University Park campus.

The 3M gift is valued at \$275,000 and includes a \$25,000 gift to support a graduate student research position.

Vittal Prabhu, the center's director and assistant professor of industrial engineering, describes the network as "Light Band Internet." The network uses fiber optics, allowing for ultra-fast communications and real-time decision making.

"Competitors are using technology to seamlessly integrate their supply and demand chains with execution systems, so that they can respond immediately to new orders and changes in the market," Prabhu said.

The 3M system allows for the fast transmission of voice, video and data over the network and gives users a greater bandwidth than with conventional copper-based products.

According to the company, its system also is more cost effective than traditional fiber products.

3M is a \$16 billion diversified technology company with leading positions in electronics, telecommunications, industrial, consumer and office, health care, safety and other markets. The company, which is headquartered in St. Paul, Minn., has operations in nearly 200 countries. 3M's Contributions Program is made up of cash and in-kind gifts made by 3M, and the 3M Foundation and is bolstered by employee and retiree volunteerism. In 2001, the company donated more than \$47 million to educational and charitable institutions.



Penn Staters

Charles D. Ameringer, professor emeritus of Latin American history, is the recipient of the Arthur P. Whitaker Prize, awarded by the Middle Atlantic Council of Latin American Studies (MACLAS) for *The Cuban Democratic Experience: The Autentico Years, 1944-1952*, as "Best Book by a MACLAS Member, 1998-2000."

Gerald D. "Chip" Baumgardner, associate professor of business administration in the School of Business and Computer Technologies at Penn College, was honored for his paper, "Debunking the Myths of Online Education." It was designated an "Award-Winning Conference Paper" and will be published in "Selected Papers from the 13th International Conference on College Teaching and Learning."

Peter R. Cavanagh, director of the Center for Locomotion Studies in the College of Health and Human Development and distinguished professor of kinesiology, medicine, orthopedics and rehabilitation, and biobehavioral health, has been selected to serve a second two-year term on the Science Council of the Universities Space Research Association's Division of Space Life Sciences.

Gary L. Lillen, distinguished research professor of management science, received the Philip McCord Morse Lectureship Award during the annual meeting of the Institute for Operations Research and the Management Sciences in Miami. Lillen will present the keynote address at the following year's annual meeting.

Akhlesh Lakhtakia, professor of engineering science and mechanics, delivered a seminar on materials with negative index of

refraction at the Indian Institute of Technology in Delhi, India. He also gave an invited lecture at the 89th Indian Science Congress, which was held at the University of Lucknow. His lecture was titled, "Fabrication properties and applications of structured thin films."

Raj Mittra, professor of electrical engineering, presented lectures at the Radiophysics Institute of the University of Calcutta, the Indian Institute of Technology in Delhi and the Defense Research Laboratory in Hyderabad, India. His topic was "Efficient Modeling and Simulation of Radio Frequency and Microwave and Millimeter Wave Integrated Circuits."

Karen Morin, professor of nursing, has been elected to serve as a member of the board of directors of the Association of Women's Health, Obstetric and Neonatal Nurses. Morin will serve until 2003.

Liz Quackenbush, associate professor of art, was invited to participate in several exhibitions across the United States. In September and October, her exhibition "Telling Tales" was at the Craft Alliance in St. Louis. In November and December, she exhibited "For The Table" at the Santa Fe Clay Works in New Mexico and "Painted Pots: The Art of Maioia" at the Vermont Clay Studio in Waterbury Center, Vt. She also had a one-person exhibition at the Works Gallery in Philadelphia.

Barry E. Scheetz, professor of materials, civil and nuclear engineering, was selected to participate in the Coal Advisory Group, a working group in the Department of Energy's Indo-U.S. Bilateral Energy Consultations. The group was created from

the nation's leading experts to respond to coal-related technical and policy questions and to independently identify areas where bilateral cooperation are of a potential mutual benefit to India and the United States. Scheetz will provide expert advice and guidance in efforts in coal-related technical and policy issues relating to: technologies including acid mine drainage remediation; fly ash utilization; and methods for mitigation of coal mine fires.

Albert Viceri, professor of business administration, served as a judge for the Eighth Annual Lotus Beacon Awards. The awards are presented annually to recognize IBM Business Partners specializing in Lotus software that have delivered outstanding products, solutions and services to customers during the previous year. Viceri judged the Best e-Learning Solution.

A recent study has identified Penn State as one of the leading contributors of research in real estate. The study in *The Journal of Real Estate Literature* ranks individuals and institutions according to their publications in eight academic journals from 1989 through 1998. Penn State is ranked eighth overall. **Abdullah Yavas**, professor in the Department of Insurance and Real Estate in The Smell College of Business Administration and a William Elliott Faculty Fellow, was ranked in several categories for his contributions to real estate research. The article, "Individual and Institutional Contributors to the Journal of Real Estate Finance and Economics: 1989-1999," was co-authored by **Jonathan Dombrow** of the Center for Urban Real Estate at the University of Illinois; and **Geoffrey K. Turnbull** of Louisiana State University.

NEW AT PENN STATE

New library lab at Penn State DuBois

The Penn State DuBois Library recently unveiled a new instruction laboratory that's helping students learn better research techniques and how to access the many resources available through the University's extensive inter-library system.

The lab is a 30-seat classroom equipped with a computer that projects information on a 70-by-70-inch screen. Funding for set-up and equipment was provided by the campus, University Libraries and a grant from the Smarter Kids Foundation, a nationwide nonprofit organization that promotes technology in the classroom.

Librarians use the room to give presentations they tailor to meet the needs of a specific course. Each lesson teaches students how they can access databases to complete research projects for that class.

The lab also provides a place for students to learn how to use the University's ever-expanding library system. With 43,000 volumes at the DuBois campus alone, plus another 4.2 million volumes available through intercampus loan, in addition to 350 searchable databases, research can seem like a daunting task to the untrained. Students are taught how they can look up information using any computer equipped with Internet access.

The lab also is available for faculty and staff training and in the future, the library staff hopes to provide programs for the community.

Penn State MBA program coming to Lancaster

Residents of Lancaster will have the opportunity to earn a master of business administration degree at Penn State: The Lancaster Center beginning this fall.

The program is being brought to Lancaster by Penn State Harrisburg's School of Business Administration, which has achieved accreditation from the Association to Advance Collegiate Schools of Business, the primary accrediting agency for programs in business administration and accounting.

Information sessions are set for 6 p.m. Wednesday, Feb. 27, and 6 p.m. Wednesday, April 17, at Penn State The Lancaster Center. Terence A. Brown, director of Penn State Harrisburg's MBA program, will answer questions and provide additional information.

For information, call Brown at (717) 948-6140 or visit the Harrisburg Web site at <http://www.hbg.psu.edu/sbus>.

COURSES

Health Matters

Sue Jepson and Suellen Herwehe, otitis media project research nurses, will present "Ouch! My Ear Hurts" at noon Wednesday, Feb. 20, at 125 Reber Building on the University Park campus. Cost is \$5. To register online, go to <http://www.ohr.psu.edu/health/home.htm> or call (814) 865-3085.

University Libraries

■ Cartographic information seminar

The University Libraries' Maps Library is offering the seminar, "Researching Cartographic Information," from 2 to 3 p.m. Wednesday, Feb. 20, in 203 Paterno Library on the University Park campus. No registration is required and the seminar is free to the public. For information, call Joanne Perry at (814) 865-0139.

■ "Career Information"

The University Libraries' Schreyer Business Library is offering "Career Information," from 4 to 5:30 p.m. Tuesday, Feb. 19, in 302 Paterno Library on the University Park campus. No registration is required and the seminar is free to the public. For information, call Gary White at (814) 865-9268.

■ "Searching for Patents and Trademarks"

The University Libraries' Schreyer Business Library is offering "Searching for Patents and Trademarks," from 4 to 5:30 p.m. Monday, March 25, in 302 Paterno Library on the University Park campus. No registration is required and the seminar is free to the public. For information, call Gary White at (814) 865-9268.

OBITUARIES

Oliver B. Barr, secretary in the Division of Outreach and Cooperative Extension, from Oct. 1, 1944, until his retirement July 1, 1970; died Nov. 29, at the age of 93.

Wilson M. Ghaner Sr., preventive maintenance worker in Office of Physical Plant, from March 1, 1949, until his retirement Aug. 4, 1984; died Dec. 18. He was 72.

Philip Meyer, building services clerk in College of Engineering, from Nov. 20, 1967, until his retirement April 1, 1989; died Dec. 21, at the age of 78.

Charles D. Wert, driver/courier in College of Medicine, Hershey Medical Center, from March 13, 1968, until his retirement July 1, 1988; died Nov. 18. He was 75.

Joseph M. Wirtz Jr., coordinator for student services in Commonwealth College, Sept. 1, 1946, until his retirement Jan. 1, 1984; died Dec. 20, at the age of 81.

Focus on Research

New approach steadies flexible floors

By BARBARA HALE
Public Information

An architectural engineer has developed a less-disruptive, more cost-effective, active-control approach to steadying floors that move excessively and annoy or frighten people who walk, work, exercise or dance on them.

Linda M. Hanagan, assistant professor of architectural engineering, said, "People don't think floors should move, and when they do, this motion can be perceived as annoying or even dangerous. This perception of danger can persist, even though no danger is present."

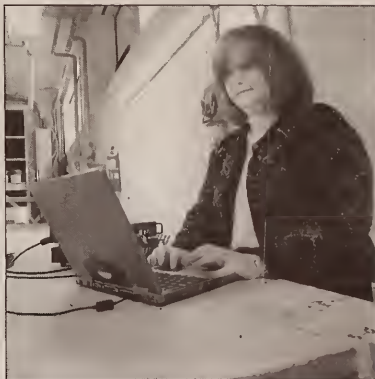
Stiffening or thickening the floors in an existing building to decrease excessive motion is costly and can take months to complete, disrupting the building's occupants, she added. However, Hanagan's new approach can be more effective than other structural retrofits and often takes less than a week to fix the problem.

Hanagan's approach, for which the University recently filed a provisional patent application, uses active control systems installed on the floor or in the ceiling cavity below it to damp the vibrations.

For example, if people are doing the bunny hop, the hop, hop, hop can cause a long-span, steel floor to begin to vibrate in response to the up and down motion of the dancers. Each time the dancers hop, the regular "beat" can cause the floor's up and down motion to increase, Hanagan said, "This happens because a component of the 'beat' is in resonance with the natural frequency of the floor."

Hanagan's solution is to use strategically placed "smart" counterweights that sense the magnitude of the floor's motion and move to apply opposing forces to damp or diminish the vibrations. The active-control system detects when the floor is moving up and down and when to react in the opposite direction to counter the movement.

The architectural engineer notes that the tuned mass damper control system is similar in concept to the hater mass damper approach that is sometimes used to correct floor motion. Both Hanagan's approach and the damper approach rely on moving mass to dissipate the energy in the floor system. The advantage of the active system, which uses floor velocity measurements to generate the amount of force needed to damp the floor motion, is that it requires less moving mass to get the same degree of control as a damper system. One study showed that a damper system would have to weigh 30 times more than the active control system.



Barbara Hanagan, assistant professor of architectural engineering, has developed an active-control approach to steadying floors that move excessively.

Photo: Greg Grieco

The active system also is cost effective. "As recently as a few years ago, 20 pounds of force cost about \$30,000 to generate. Today, thanks to the improved capabilities of commercially available linear motors, we can generate 500 pounds for about \$50,000," she noted.

The researcher is currently working on a non-exclusive basis with a commercial partner to apply her approach. She also measures and assesses floors on a consulting basis. In addition, she conducts research to provide design engineers with better tools to predict vibration behavior and prevent vibration problems before a building is constructed.

Barbara Hale can be reached at bah@psu.edu.

Maranas to develop research with grant

Janna K. Maranas, assistant professor of chemical engineering, has received a five-year grant from the National Science Foundation's Faculty Early Career Development (CAREER) program. The CAREER program is designed to help scientists and engineers develop their research and teaching simultaneously as their careers get under way.

Maranas' research will focus on understanding the relationship between intermediate-scale packing and short-time dynamic behavior in polyolefins, a class of polymers used to make everything from plastic bags to milk bottles to children's toys. Short-time dynamic behavior underlies the glass transition; whether a material is above or below this transition is the single most important physical property when considering applications of polymers.



Janna Maranas

For the educational component of the grant, Maranas will develop research-oriented activities for students who would not otherwise have such experiences. She will introduce experimental simulation problems into core chemical engineering courses and develop a class in which students learn how to use and interpret simulation data. She will develop a research program for undergraduate students at California State Polytechnic University, Pomona, an industrially oriented university with no formal research program. Selected Cal Poly Pomona students will spend a summer at Penn State working on research in her lab as part of their senior thesis projects.

Countries with economic ties are less likely to go to war, researchers say

By PAUL BLAUM
Public Information

Countries that maintain in-depth financial and economic ties with each other are less likely to engage in military conflict, according to a University study.

"Political analysts have observed for several centuries that international trade inhibits interstate war between countries by raising the cost of military violence," said Quan Li, assistant professor of political science. "Recent studies by John Oneal, Bruce Russett and several others evolve along this liberal reasoning. Our study, however, shows mathematically that it is not the prospective loss of trade, but the costly signaling of resolve by manipulating economic ties that render exchanges of violence unnecessary. Furthermore, we show statistically that compared with trade ties, capital market and monetary policy linkages are more effective in inhibiting conflict behaviors. In short, monetary ties allows countries to

fight with money rather than with bullets."

Li, Erik Gartzke, assistant professor of political science at Columbia University and Charles Boehmer, doctoral candidate in political science, collaborated on the research.

The researchers constructed a game theoretic model to compare the opportunity cost and costly signaling arguments. The model shows that the benefits of interdependence have no discernible effect on the probability of conflict, but a country's willingness to signal costly resolve by manipulating the interdependent ties decreases the probability of fighting. The authors also argue for a notion of interdependence that covers not just trade ties but also capital market and monetary policy linkages. The researchers examined a sample of political relevant dyads from 1951 to 1985.

A country on the verge of hostilities with another country already knows the monetary value of its trade with that other country. Therefore, the researchers said, the risk factor in

terms of trade is not an unknown. However, what each country doesn't know is how strongly the other country is willing to fight over some other issue beside trade: a slice of territory coveted by both countries, a military build-up perceived as a threat or the mistreatment of an ethnic or religious minority, they noted.

"Interdependent countries are in a better position to test the resolve of economic partners because they can more effectively exert non-violent (i.e. economic) pressure, and then observe the consequences," Li noted. "By taking commercial measures that represent both a clear and credible threat, a state can signal to economic partners that it is prepared to make considerable sacrifices. If, however, these sacrifices are too critical, the country could lose bargaining power in future conflicts."

Paul Blaum can be reached at pblaum@psu.edu.

Department of Public Information
 312 Old Main, University Park,
 PA 16802
 Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
 assistant/calendar

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Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

Volume 31

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All aboard!



Molly Trolley, the newest addition to Fleet Operations at University Park, is now in service. The 33-foot, 14,800-pound trolley, was officially rolled out today. The trolley will be used to give campus tours, among other things.

Photos: Greg Grieco

New trolley adds panache to University Park campus tours

By ANNEMARIE MOUNTZ
 Public Information

While this isn't "Mister Rogers' Neighborhood," eagle-eyed pedestrians on the University Park campus may have noticed a new trolley patrolling the streets recently. Molly Trolley, as she's affectionately called by Fleet Services, makes her official entrance on the campus today, with an open house from 2:30 to 4:30 p.m. at Fleet Operations.

The 33-foot, 14,800-pound trolley features an oak and brass interior and seats roughly 35 people. Plans for its use include admissions tours for prospective students, incoming freshmen and their families; general tours of campus given by University Relations; special activities; conference support, and alumni activities.

"We're looking into the possibility of collaborating with the local community so that the trolley could be used for some community events as well," said Gary Schultz, senior vice president for finance and business/treasurer. "I can see a wide variety of potential uses for it, including special downtown events and tours of the community for special visitor groups."

When prospective students arrived on the University Park campus for a tour in the 1970s and early 1980s, they were treated to a ride on

a red, double-decker London transit bus.

That bus, built in 1951 and acquired by the University in the early 1970s, provided a certain charm that added to the overall experience of the tour. In the mid-1980s, the old bus could no longer fulfill its duties and was finally retired.

"Mechanically, it became impossible to keep. The bus was just too old and worn out," said Bruce Younkin, manager of fleet services.

The quaint London transit bus was replaced by a small, gas-powered bus donated by Columbia Gas.

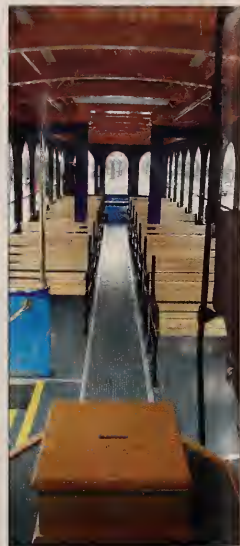
"We used that for about five or six years, but it was just too small. We phased it out and have been using school-type buses since then," Younkin said. "They serve the purpose, but they're nothing fancy."

Now, with Molly Trolley, the University once again has a signature vehicle for tours.

"We had looked at getting a trolley in the past, but it never worked out. Then, President Spanier told us about one he saw in Chicago and said he thought it would be a neat idea for Penn State," Younkin said.

"We investigated, and found a small company in Maine that could build one for roughly the same price as a school-type bus.

"There is a niche at the University for this vehicle. If it's successful, we may purchase more," Younkin said.



Inside, the trolley features oak detailing and brass rails.



Intercom

INFORMING THE PENN STATE COMMUNITY

MAR 19 2002

FEBRUARY 21, 2002

University ready to celebrate National TRIO Day on Feb. 27

To call attention to the thousands of students (67 percent from poor and working families) who have advanced their education through Penn State's TRIO programs, the University will celebrate National TRIO Day on Feb. 27. More than 1,200 universities and community agencies now sponsor TRIO programs, but Penn State is one of only two to

operate all of the TRIO programs. Since 1965, more than 10.5 million Americans have benefited from the services of the TRIO pre-college and college programs: Talent Search, Upward Bound, Student Support Services, Educational Opportunity Centers, and Ronald E. McNair Scholars Program.

To ensure equal educational opportunity,

Americans must have equal access to college and assistance in continuing until graduation. While other federal "financial aid" programs provide direct funds for college, the TRIO programs help students overcome class, social and cultural barriers to success in college. These programs enable Americans, regardless of economic circumstance,

race or ethnic background to successfully enroll in college and graduate.

"In many communities throughout America, the TRIO programs are the only programs that help low-income Americans to enter college, graduate and move on to par-

TRIO, page 3

THE HISTORIES OF PENN STATE

Keeping a community's needs in full view

Move from downtown to Dunmore allows Penn State Worthington Scranton to grow

Editor's note: Most people know the history of Penn State as that of a school chartered in 1855 at the request of the Pennsylvania State Agricultural Society to apply scientific principles to farming. Since that time, Penn State has grown from that one campus at University Park to 24 locations statewide, and each of those other locations has its own special history. Throughout this academic year, Intercom plans to highlight those histories, as told by experts at each of those campus locations.

By DEBORAH BRANDT JOHNSON
Penn State Worthington Scranton

The hills surrounding the busy Lackawanna Valley cities provide a scenic backdrop for the Penn State Worthington Scranton campus. Tucked into a sloping landscape on 45 acres in Dunmore, the campus serves more than 1,600 students from throughout the Northeast region — Lackawanna, Wyoming, Wayne, Pike, Susquehanna and Monroe counties.



This archive photo shows engineering students at Penn State Worthington Scranton.

University calendar to be discussed at next Faculty Senate meeting

The University calendar leads the agenda for the next University Faculty Senate meeting, scheduled for 1:30 p.m. Tuesday, Feb. 26, in 112 Kern Graduate Building, University Park.

The advisory/consultative report on the topic will culminate in a vote on five recommendations: having fall and spring semesters consist of 72 instructional days; establishing four final assessment days at the end of each semester; revising Senate Policy 44-20 (final examination) to endorse the concept of multiple forms of final assessment; reconfiguring the summer session to allow for designated assessment days; and consolidating fall break and Thanksgiving recess into one week.

Other items on the agenda for the meeting are:

- Promotion and tenure summary for 2000-2001 — informational report: an overview of the tenure and promotion decisions made in the 2000-01 academic year;

- Interim expulsion — informational report: this report will review existing University policies, including the role of the Office of Judicial Affairs in relation to how students are protected from threats posed by the presence on Penn State campuses of individuals charged with serious crimes;

Senate, page 3

History

Continued from page 1

Penn State's presence in the Scranton area began modestly in 1923 with mechanical and industrial non-credit evening courses being conducted in the local Chamber of Commerce Building in center city. During World War II, the unit put aside some of its course offerings in favor of the University-wide emphasis on war industry and defense training courses, but returned to its original focus in the early postwar years. Known as the Scranton Technical Institute, this branch school operated at various locations until 1950.

In 1951, a building was leased from the Scranton School District and soon after, in 1953, the facility (renamed The Scranton Center) began offering Penn State associate degree programs in drafting and design technology and in electrical engineering technology. These two associate degree programs provided the Scranton area with its only accredited curricula in the technological field, and thereby made it possible for local residents to be trained for industries that were replacing the once dominant coal mining industry during this economic transitional period.

It was during this time that the Commonwealth Campus System was being implemented and the local advisory board and then-Scranton Center Director Robert E. Dawson began planning for a permanent campus site out of the confines of the city to serve a larger population.

A public fund-raising campaign was instituted to solicit funds from business, industry, labor, former students and friends, and in 1959 a 23-acre tract of land in Dunmore was purchased from the Hudson Coal Co. Early stories of the area recount how the land was used by the company as a place where "coal mining mules were put out to pasture" after years underground. During the next few years, an additional 22 acres of land were purchased.

Groundbreaking ceremonies for the first classroom/administration building took place in the fall of 1966. In 1968, the first classes were held on the newly developed site, which was officially named the Worthington Scranton campus in honor of community leader and father of then-Pennsylvania Gov. William W. Scranton. It was at this time that the campus began offering the first two years of Penn State baccalaureate majors.

At the current site, enrollment has grown to nearly six times the 271 original students. The first facility, the Dawson Building, was followed by three additional buildings, all constructed in the 1970s. The campus continued to add associate degree programs and in 1995 offered its own Penn State baccalaureate degree program in nursing. More baccalaureate degree programs were added



This archive photo shows the old Scranton Center, which offered Penn State associate degree programs in two technological fields.

Worthington Scranton at a glance

- MaryBeth Krogh-Jespersen, CEO
- 45-acre campus in Dunmore
- Student enrollment of more than 1,600
- 70 full-time and approximately 50 part-time faculty members
- Student/faculty ratio of 20 to 1
- First two years of about 160 Penn State majors
- Complete four bachelor's and seven associate degrees
- Professional development programs
- Six varsity sports
- More than 25 student clubs and organizations

and enrollment steadily grew.

By 1997, administrators faced the difficult but encouraging dilemma of limited classroom, meeting and office space. It was at this time that a new classroom/conference building was constructed — the first new facility in more than 22 years. Appropriately, on Sept. 4, 1998, exactly 30 years from the date of Penn State Worthington Scranton's open-



In nice weather, some faculty opt to hold class outside on the 45-acre grounds of Penn State Worthington Scranton in Dunmore.

Photo: Scott Johnson

ing dedication back in 1968, the campus held a dedication ceremony for the James D. Gallagher Conference Center.

Consistent growth and flexibility have allowed Penn State Worthington Scranton

to uphold its land-grant mandate to serve the changing needs of its community.

Deborah Brandt Johnson can be reached at dbj7@psu.edu.

TRIO

Continued from page 1

icipate more fully in America's economic and social life," said Arnold Mitchem, executive director of the Council for Opportunity in Education (COE).

TRIO programs identify promising students (Talent Search); prepare students for college-level work (Upward Bound and Upward Bound Math/Science); provide information on academic and financial-aid opportunities (Educational Opportunity Centers); provide tutoring and support services to students once they reach campus (Student Support Services); and prepare undergraduates students for graduate school (Ronald E. McNair Scholars Program). TRIO also trains the professionals who administer the programs.

Concentrating on regions of the Commonwealth with the greatest need, Penn State's TRIO programs assist more than 4,500 individuals including middle school students in Western Pennsylvania, high school students from economically depressed areas throughout the state, Penn State undergraduates and low-income adults in the Philadelphia and Pittsburgh areas.

Another program, the Comprehensive Studies Program, funded by the state and the University, helps in-state undergraduates from similar backgrounds. Penn State also operates the federally funded College Assistance Migrant Program (CAMP) for college students from migrant and seasonal farm-work backgrounds.

The day also will feature diversity workshops for staff conducted by Victor Lee Lewis, best known for his leadership role as the prophetic voice of "The Color of Fear," a video about racism judged the "Best Social Studies Documentary of 1995" by the National Educational Media Association.

Lewis will present in concert with Peggy McIntosh, who in 1988 published the groundbreaking "White Privilege and Male Privilege: A Personal Account of Coming to See Correspondence through Work in Women's Studies." This analysis and its shorter form, "White Privilege: Unpacking the Invisible Knapsack," have been instrumental in putting the dimension of privilege into a discussion of gender, race and sexuality in the United States. McIntosh will be speaking in the HUB Auditorium from 3:30 to 5 p.m. Feb. 27. For details, see the lecture announcement on page 5.

For more information about the University's Academic Assistance Programs, including its TRIO programs, check the Web at <http://www.equity.psu.edu/aap/>.

Officially open



The new Penn State All-Sports Museum, located in the expanded southwest corner of Beaver Stadium on the University Park campus, officially opened to the public Sunday, Feb. 17. The museum is full of photos, awards and other artifacts from decades of Penn State sports tradition. Visitors also can browse the museum gift store, located off the main entrance. Admission is free, but visitors will need to obtain a souvenir ticket at the museum reception desk for entry into the exhibits. For more photos, check the Web at http://www.psu.edu/ur/archives/intercom_2002/allsports/. To visit the museum online and obtain hours of operation, go to <http://www.GoPSUsports.com/Museum/museum.cfm>.

Photo: Tyson Wendig

Senate

Continued from page 1

■ Student perceptions of safety — informational report; this report will present the results of several "Penn State Pulse surveys" and examine U.S. Department of Education, Uniform Crime Reports; and

■ Revision of bylaws, Article III, new Section 7, election to the Senate, excessive absences — legislative report; this is a legislative report proposing changes to the Senate bylaws providing voting units with the authority to replace senators with three or more unexcused absences during an academic year.

Members of the University community may attend. Any member

of the University community who is not a member of the Senate may request the privilege of the floor on any item of business already before the Senate. Such a request must be made to the chair, through the executive secretary of the Senate, at least four calendar days before the meeting at which the individual wishes to speak.

For information on how to submit major, minor, option or course proposals, the "Guide to Curricular Procedures" is now available on the Web from the Faculty Senate home page at <http://www.psu.edu/ufs/>.



Lectures

Lecture will explore environmental intelligence

Eric Barron will lecture on "Creating an Environmental Intelligence Center" from 11 a.m. to 12:30 p.m., Feb. 23 in 100 Thomas Building on the University Park campus.

Barron is distinguished professor of geosciences and director of the Environment Institute in the College of Earth and Mineral Sciences.

The free lecture is the sixth in the series titled "Planet Earth: Our Role in Its Health," the topic of the 2002 Penn State Lectures on the Frontiers of Science.

For information, call (814) 863-8453 or e-mail science@psu.edu. Check the Web at <http://www.science.psu.edu/alert/frontiers/FrontiersIndex.html>.



Eric Barron

Technology and teaching explored at luncheon

Kyle L. Peck, head of adult education, instructional systems and work force education, will discuss "No Significant Difference: Does Technology Really Improve Teaching?" at noon March 13 in the Faculty/Staff Club at The Nittany Lion Inn, University Park.

The informal lunch discussion is part of

a monthly series, sponsored by the Teaching and Learning Consortium and the Faculty/Staff Club and is open to the public.

For information, call Tammy Homan at (814) 865-8563 or e-mail shc@psu.edu.

To assist with seating, let Homan know attendance plans by 9 a.m. March 13.

Civil engineer's topic is modeling river changes

Howard Chang will discuss "Modeling of River Channels" from 12:15 to 1:15 p.m. Wednesday, Feb. 27, in 202 Hammond Building on the University Park campus.

Chang's presentation is part of the Hydrosystems Seminar Series held by the

Department of Civil and Environmental Engineering.

Chang is on the civil engineering faculty at San Diego State University and is a registered civil engineer in California and Arizona.

Astronomer to discuss bright stars, black holes

A free public lecture, "Can a Bright Star Find Happiness in the Deadly Embrace of a Black Hole?" will be given at 2 p.m. Sunday, Feb. 24, in 100 Thomas Building on the University Park campus.

Michael Eracleous, assistant professor of

astronomy and astrophysics, is the presenter.

The talk is the third of the 2001-2002 Friedman public lectures sponsored by the Department of Astronomy and Astrophysics. This year's theme is "Black Holes and Time Machines."

'Thermal Bars in Great Lakes' focus of seminar

Joseph Atkinson will discuss "Thermal Bars in the Great Lakes" from 12:15 to 1:15 p.m. Monday, Feb. 25, in 202 Hammond Building on the University Park campus.

Atkinson is on the civil, structural and environmental engineering faculty at State

University of New York at Buffalo and is director of the Great Lakes Program.

His presentation is part of the Hydrosystems Seminar Series held by the Department of Civil and Environmental Engineering.

Women's reading practices in France next topic

The Comparative Literature Luncheon, a weekly informal lunchtime gathering of students, faculty and other members of the University community, has announced the next speakers in this semester's series.

The events begin with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy something in Kern Cafeteria. Coffee and tea are provided. The speaker will begin at about 12:40 p.m. The events are free to the public. Speakers are:

■ **Feb. 25:** Willa Silverman, associate professor of French will discuss "Of Books and Book Women: Discourses on Women's Reading Practices in Fin-de-Siècle France."

■ **March 11:** Anthony Tamburri, professor of Italian and Italian/American literature, chair, languages and linguistics; and interim chair, English, at Florida Atlantic University, on "Italian/American Literature: Where It Began and Where Is It Going?"

For information, e-mail Daniel Walden at dxw8@psu.edu.

Symposium offers a public dialogue on ethics

"Ethics: The Inaugural Symposium" will be held March 14 to 16 at The Nittany Lion Inn on the University Park campus.

Sponsored by the Rock Ethics Institute, the symposium will reflect the wide range of ethical issues from medicine (stem cell research and bio-engineering), business, and war and terrorism to social equality, research integrity, expression in the arts and engineering. The goal is to promote an exchange of ideas between professionals and academics.

Keynote speakers are Head Football Coach Joseph Paterno; Wes Jackson, the co-founder of the Land Institute; Eva Feder Kittay, professor of philosophy, State University of New York-Stony Brook; Carolyn Zahn-Waxler of National Institute of Mental Health; Carey Fraser, director of the Africana Research Center and faculty member

in the Department of African and African-American Studies; Jerry Holmes, retired major general of the U.S. Air Force and adjunct professor in the College of Engineering at the University of Oklahoma; and Susanna B. Hecht, professor of urban planning and associate director of the Latin American Center in UCLA.

The conference and reception are free to the public. Registration is recommended but not required. For details about the schedule of lectures, topics and speakers or to register online, go to <http://philosophy.la.psu.edu/ethics/conference-schedule.htm> or call (814) 863-0314.

To be added to the mailing list or for further information, e-mail the institute at rockethics@psu.edu. The Rock Ethics Institute Web site is at <http://philosophy.la.psu.edu/ethics/>.

Lecture looks at climate modeling in Mid-Atlantic

Jody Gibson, doctoral degree candidate in soil science, will discuss "Climate Modeling and the Hydrologic Cycle of the Mid-Atlantic" from 3:35 to 4:25 p.m. Friday, Feb. 22, in 101 Agricultural Sciences and Indus-

tries Building on the University Park campus.

The Department of Crop and Soil Sciences is the host for the event. For information, call (814) 863-1601.

Williamsport's role in baseball to be examined

James P. Quigel Jr. will discuss "Millionaires and Outlaws: a Century of Williamsport and Minor League Baseball," from 4 to 6 p.m. Friday, March 1, in the Foster Auditorium, 101 Pattee Library, University Park.

Quigel and Louis E. Hunsinger Jr. co-authored *Gateway to the Majors: Williamsport and Minor League Baseball*, published by the Penn State Press. He is head of University Libraries' Historical Collections and Labor Archives, The Eberly

Family Special Collections Library.

The lecture will be followed by a reception and exhibit in the Social Sciences Library, 201 Paterno Library.

The presentation is part of the Social Science Library's First Friday series. For a schedule of upcoming speakers in the series, visit <http://www.libraries.psu.edu/publicinfo/events.html>.

The lecture is free to the public. For information, call (814) 865-4861.

CEO to talk about new shipping venture

Roland K. Bullard II, president and chief executive officer of FastShip Inc., will be the speaker for the annual Spisak Lecture in Business Logistics at 2:30 p.m. Monday,

March 18, in 112 Kern Building, University Park. Bullard's presentation is "FastShip: Strategic Innovation for Intercontinental Logistics." The lecture is free to the public.

Erie is site for information economy conference

The Economic Research Institute of Erie will hold "Erie and the Information Economy" on Wednesday, March 6, at Penn State Erie.

In addition to an overview of the regional, national and international economies by institute representatives James A. Kurre, Kenneth K.T. Louie and Barry R. Weller, the conference will present forecasts for the Erie economy. This year it will include a

panel of corporate representatives discussing Erie's place in the information economy as well as a presentation by Erie mayor Rick Filippini and Erie County Executive Rick Schenker.

The event begins with a continental breakfast at 8 a.m. and ends at 1:15 p.m. following lunch and concluding speakers. To register, call (814) 896-8200.

Prevention science to be discussed at seminar

Laura Ferrer-Wreder, assistant professor at Penn State Harrisburg, will present "Prevention Science and Theory Building" from 4 to 5 p.m. Feb. 27 in 209 South Henderson Building on the University Park campus.

The event is part of the Prevention Research Center for the Promotion of Human Development seminar.

For information, call Celene Domitrovich at (814) 865-2616 or e-mail cdx130@psu.edu.



More Lectures

Author to discuss gender, race

Peggy McIntosh, author of *White Privilege and Male Privilege: A Personal Account of Coming to See Correspondence through Women's Studies*, will lecture from 3:30 to 5 p.m. Feb. 27 in the HUB-Robeson Center auditorium on the University Park campus.

McIntosh will be discussing "Five Interactive Ways of Looking at Race and Gender." The speaker consults widely in the United States and throughout the world with college and school faculty who are creating more gender-fair and multicultural curricula.



Peggy McIntosh

Conference will focus on community design

The Hamer Center for Community Design Assistance and Design Corps, a nonprofit group with a mission to find ways to provide quality, affordable design service, is co-sponsoring a conference focusing on the benefits of community-based work.

Activities on April 6 will be held at the Palmer Museum of Art on the University Park campus.

"Structures for Inclusion 2: Good Deeds/Good Design" will feature panel presentations and "how-to" sessions intended to teach young designers the skills necessary to undertake community design projects.

Speakers include Teddy Cruz, from studio teddy cruz; Jae Cha, founder of Light Inc.; Sergio Pallero, of the Design/Build Mexico program at the University of Washington; and Deborah Gans and Matthew Jelacic, who have designed crisis housing.

For a full list of conference speakers and/or registration information, visit the Design Corps Web site at <http://www.designcorps.org> or e-mail structures_4_inclusion@yahoo.com.

Network to discuss efficiency indicators

The Quality Advocates' Network will discuss issues related to the development and implementation of efficiency indicators from 8:30 to 10 a.m. Friday, March 15, in Boardroom 1 at The Nittany Lion Inn on the University Park campus.

Tony Wagner, special assistant to the senior vice president for finance and busi-

ness, and Clay Hosterman, assistant director of the University Budget Office, will share information on the Penn State Efficiency Indicators report that they recently compiled for use in communicating the University's efficiency to key stakeholders.

To attend, send an RSVP by e-mailing psucbp@psu.edu or calling (814) 863-8721.

Visiting writers target DuBois for presentations

A number of authors will share their works during the Spring 2002 Visiting Writers Series at Penn State DuBois.

In observance of Women's History Month, poet Sheila Squillante, Katey Lehman Fellow in creative writing, will read selections of her work at 6 p.m. Tuesday, March 19, in 106B Multi-Purpose Building.

Kerry Neville Bakken and Christopher Bakken, both assistant professors of Eng-

lish at Allegheny College, will discuss their works from 6:30 to 8 p.m. Thursday, March 28, in 10 Multi-Purpose Building.

William Heyen, poet-in-residence at the State University of New York at Brockport, will give a presentation from noon to 1:30 p.m. April 8, in the Hiller Building Auditorium.

The events are free to the public. For information, call Anthony Vallone at (814) 375-4814 or (800) 346-ROAR.

Underground Railroad historian to speak Feb. 28

Charles L. Blockson will discuss his book, *African-Americans in Pennsylvania: Above Ground and Underground, An Illustrated Guide*, from 4 to 5:30 p.m. Feb. 28 in the Foster Auditorium, 101 Pattee Library, on the University Park campus.

Blockson is curator of The Charles L. Blockson Afro-American Collection at Temple University, one of the nation's largest

private collections of black history material.

A reception and book signing will immediately follow in the Charles W. Mann Jr. Assembly Room, 103 Paterno Library. Copies of his book will be available for purchase at the event.

For information, call Shirley Davis at (814) 865-0401 or e-mail sjd3@psu.edu.

NEWS IN BRIEF

Volunteers sought

Lambda Chapter of Phi Beta Kappa is seeking additional volunteers to serve as members of its board and volunteers to assist it in selecting new members this semester.

The member selection takes only a few hours of time in late February and March. University faculty and staff interested in assisting Phi Beta Kappa recognize Penn State's outstanding students can contact Dennis Shea at (814) 863-2901 or e-mail dgs4@psu.edu.

CLGBT town meeting

The Commission on Lesbian, Gay, Bisexual and Transgender Equity will hold a town meeting from 7 to 9 p.m. March 20 in the Gold Room of Pollock Commons on the University Park campus.

The commission will share its strategic plan for the year and listen to community concerns.

The event is open to the public.

Call Center

Call handling and message services with be available for departments wanting assistance with phone coverage during spring break. The Call Center office will be open from 7 a.m. to 7 p.m. March 4 through 8, and from 8 a.m. to 7 p.m. the weekends of March 2-3 and March 9-10.

For more information on the types of call handling services available call (814) 865-6881 or check the Web at <http://www.utsu.edu/services/staff/callcenter/messageservice.html>.

Papers sought

Papers are now being accepted for "Lewis and Clark: The Unheard Voices — The 200-Year Impact on the Lands, the Peoples, the Histories and the Cultures," a comprehensive conference set for Nov. 14 to 16 on the University Park campus.

The conference will explore the contexts, outcomes and multiple meanings of the Lewis and Clark expedition. For information on topics and guidelines, visit the conference Web site at <http://LewisAndClark.outreach.psu.edu> or call Christopher Dufour at (814) 863-5100. Submission deadline is April 1.

Course proposals sought

The Office of Undergraduate Education and the Office of Continuing and Distance

Education seek proposals from faculty wishing to develop or enhance courses in which students contribute directly to community problem solving through their scholarship and course assignments.

Five Public Scholarship awards of \$3,000 each are available for the 2002-03 academic year. Awards may be applied as summer salary supplement to enable course development activities, directly for course materials, for related research costs or travel, toward graduate assistance or in some combination thereof. A grant from the Pennsylvania Campus Compact to the Office of Undergraduate Education makes it possible to offer three additional course development/course enhancement grants of \$3,000 each.

Faculty selected will be invited by the vice provost and dean of undergraduate education to serve as public scholarship associates, which includes attendance at monthly luncheons held by the Office of Undergraduate Education and the Office of Continuing and Distance Education.

Full-time faculty may submit an application form together with a one-page biography and a syllabus if appropriate, for consideration no later than April 1 to Jeremy Cohen, associate vice provost, Undergraduate Education, 420 Old Main, University Park, PA 16802. Applications are available from Sara Aumiller by e-mailing SaraAumiller@psu.edu or calling (814) 863-1864.

Non-compliance or animal misuse reports

The Institutional Animal Care and Use Committee (IACUC) has the responsibility for ensuring that all animals used in research, education or testing activities at the University are treated humanely and in accordance with all federal, state and local laws and regulations.

These activities are coordinated through the Office for Regulatory Compliance. Concerns or questions related to projects involving animals conducted at or under the auspices of the University can be directed to: Director of Regulatory Affairs, Office for Regulatory Compliance, 212 Kern Graduate Building, University Park, PA 16802. For information, call (814) 865-1775 or e-mail orc@psu.edu.

The matter will be referred to the IACUC chairperson and the attending veterinarian, and if appropriate, the IACUC. These concerns or questions will be handled confidentially.

Keep on top of the latest University news through the **Employee Newswire**. It's easy. Just go to the Web at <http://newswire.psu.edu/> to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



Arts & Entertainment

Spiritual celebration

The annual Celebration of African-American Spirituals will be at 8 p.m. Friday, Feb. 22, and Saturday, Feb. 23, and at 4 p.m. Sunday, Feb. 24, in Esber Recital Hall on the University Park campus.

Soprano Marymal Holmes, associate professor of music at Bowie State University, Bowie, Md., will be the guest artist at each performance.

Admission is \$2 for students and \$4 for the general audience. Tickets may be purchased before each performance. For information, call Tony Leach at (814) 865-6521 or e-mail at t105@psu.edu.

Philharmonic orchestra

The Philharmonic Orchestra will give a concert at 8 p.m. Saturday, Feb. 23, at Eisenhower Auditorium on the University Park campus.

Admission is \$4.50 for adults and \$2.50 for students.

King's Consort to perform

The instrumental and vocal sounds of the 18th century will fill Schwab Auditorium when The King's Consort performs at 7:30 p.m. Tuesday, Feb. 26, on the University Park campus.

Tickets are \$22 and \$18 for general audience members; \$18 and \$14 for students; \$8 and \$4 for University Park students; and \$11 and \$8 for children 12 and younger. Call (814) 863-0255 or (800) ARTS-TIX. Visit <http://www.cpa.psu.edu> on the Web.

Artistic Viewpoints is offered one hour before the performance in Schwab Auditorium and is free for ticket holders.

Wind ensemble concert

The Symphonic Wind Ensemble will give a concert at 8 p.m. Tuesday, Feb. 26, in Esber Recital Hall on the University Park campus.

Admission is \$2 for students and \$4 for adults.

Bach's Lunch

The Bach's Lunch concert will feature the Hi-Los at 12:10 p.m. Thursday, Feb. 28, in the Eisenhower Chapel on the University Park campus.

The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Campus Ministry. The event is free to the public.

Following the performance, audience members may take their bag lunches to Memorial Lounge of the chapel. Beverages are provided.

Opera lecture

"An Afternoon at the Arts" will continue with "Don Giovanni" at 2:30 p.m. Sunday, March 3, in 112 Woodland Building at Penn



Lori Mitchell, a recent Penn State graduate and Schreyer Honors College scholar, currently has five large oil paintings on display at the Art Alley, HUB-Robeson Center on the University Park campus. The paintings, which represent her honors thesis, are on exhibit through March 1.

Wrestlers ready to rumble at Jordan Center

The World Wrestling Federation's RAW will present a show at 7:45 p.m. Monday, March 25, at the Bryce Jordan Center on the University Park campus.

Those scheduled to appear include Stone Cold Steve Austin, Undertaker, Kurt Angle, Kane, Ric Flair and others. Reserved tickets cost \$19, \$26.50, \$32 and \$42.50.

Tickets go on sale at 8 a.m. Saturday, Feb. 23. Wristbands will be available from 8 a.m. to 6 p.m. Friday, Feb. 22. Wrist

BYRCE JORDAN CENTER

bands are for ticket buyers wishing to purchase tickets at the Bryce Jordan Ticket Center only.

Tickets can be purchased at the Bryce Jordan Ticket Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth campus ticket outlets, by phone at (814) 865-5555 or (800) 863-3336, or online at <http://www.bjc.psu.edu>.

Spring art classes

The second session of the Center for Arts and Crafts' spring non-credit art classes

begin the week of March 11 on the University Park campus.

New offerings include "Eastern Painting," "Medieval Pottery," "Advanced Wheel-Thrown Pottery" and "Hair-braiding Techniques," "Drawing Studio," "Slide Photography," "Scientific Illustration," "Bronze Carving," "Stained Glass," "Yoga," "Fly Tying" and "Poetry" also will be offered.

Brochures are available at the HUB-Robeson Center information desk and 207 HUB-Robeson Center. Register in 11 Grange Building or 207 HUB-Robeson Center or mail the registration to 202 HUB-Robeson Center, University Park, PA 16802.

For information, call (814) 863-0611.

Children's play

Penn State Beaver Theatre will present its annual spring children's play, "Little Red Riding Hood," for civic and educational groups at 10 and 11:30 a.m. March 26 and 28, and April 2, 4, 9, 11, 16 and 18 in the Study Learning Center Auditorium.

A public matinee also will be held at 1 and 3 p.m. Saturday, April 20. Tickets are \$3 for children and adults.

Reservation information is available at <http://www.brpsu.edu/theatre> or by calling (724) 773-3940.

Summer theatre

The Pennsylvania Centre Stage's summer season features two musical performances and a comedy to keep University Park audiences rolling in the aisles from June through August.

The schedule follows:

■ "My Way: A Musical Tribute to Frank Sinatra" runs June 14 to 29 at the Pavilion Theatre.

■ "Bullshit Crammond" runs June 21 to 29 at the Playhouse.

■ "Dames at Sea" runs July 19 through Aug. 3 at the Playhouse.

Ticket prices vary. Season subscriptions, which will be sold until June 14, are \$58 general and \$45 student for previews, \$65 general and \$50 student for general performances and \$135 general and \$122 student for opening nights, galas and receptions. Flex-3 subscriptions, which are not valid for opening nights, are \$65 general and \$50 student.

Individual tickets, on sale after April 15, are \$26 general and \$20 student for previews, \$29 general and \$23 student for regular. Tickets for the "My Way" opening night and gala are \$89 general and \$65 student. Tickets for opening nights with receptions are \$39 general and \$30 student.

Call (800) 278-7849 or (814) 863-0255 for tickets. For information, go to <http://www.pacentragestage.psu.edu/tickets.html>.

State Abington. Moylan C. Mills, professor emeritus of integrative arts, will lecture. The fee is \$8.

For information, call (215) 881-7661.



University Park Calendar

February 22 - March 3

MUSIC

Friday, February 22

"Celebration of African-American Spirituals," Anthony Leach, director, 4 p.m., Feb. 22; 8 p.m. Feb. 23; and 4 p.m. Feb. 24; Recital Hall, Music I. For tickets, call (814) 865-0431.

Saturday, February 23

Philharmonic Orchestra, Gerardo Eldestein, conductor, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Tuesday, February 26

"The King's Consort," 7:30 p.m., Schwab Auditorium. For tickets, call (814) 863-0255.

Symphonic Wind Ensemble, Dennis Glocke, conductor, 8 p.m., Recital Hall, Music I. For tickets, call (814) 865-0431.

Wednesday, February 27

"Musica Nova," 8 p.m., Recital Hall, Music I.

Thursday, February 28

The Penn State Hi-Los, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

SEMINARS

Friday, February 22

Jorge Pullin and Rodolfo Gambini on a subject to be announced, 11 a.m., 318 Osmond Laboratory.

Jody Gibson on "Climate Modeling and the Hydrologic Cycle of the Mid-Atlantic," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Eric Post on "Major Challenges in Assessing Ecological Response to Climate Change," 4 p.m., 301 Steidle.

Gary Shapiro on "Visual Regimes and Visual Resistance: Foucault from Panopticon to Pop," 4 p.m., 102 Chambers.

Saturday, February 23

Eric Barron on "Creating an Environmental 'Intelligence' Center," 11 a.m. to 12:30 p.m., 100 Thomas.

Sunday, February 24

Michael Eracleous on "Can a Bright Star Find Happiness in the Odey Embrace of a Black Hole?" 2 p.m., 100 Thomas.

Monday, February 25

Quan Liu on "Transition Metal Catalyzed Carbon-Nitrogen Bond Formation," 11:15 a.m., 55 Osmond Laboratory.

Joseph Atkinson on "Thermal Bars in the Great Lakes," 12:15 to 1:15 p.m., 202 Hammond.

Willa Silverman on "Of Books and Book Women: Discourses on Women's Reading Practices in Fin-de-Siecle France," 12:40 p.m., 102 Kern.

Tuesday, February 26

Carl Williams on "Quantum Computation and Communications," 3:30 p.m., 339 Gavey Laboratory.

Susan Sinnott on "Modification of Carbon Nanotubes by Chemical Functionalization and Filling: Predictions from Molecular Dynamics Simulations," 4 p.m., 22 Oelke.



"A Jamaican Voice: The Life and Poetry of Vivian Virtue" is on display in 104 Paterno Library on the University Park campus, through March 15. Additional information on this exhibit is available on the Web at <http://www.libraries.psu.edu/pubinfo/events.html#exhibits/>

Wednesday, February 27

Justin Wood on "Near-Infrared Raman Imaging Microscopy," and David Bell on "Monolithic Disks on Stationary Phases for High Performance Biochromatography," 11:15 a.m., 55 Osmond Laboratory.

Howard Chang on "Modeling of River Changes," 12:15 to 1:15 p.m., 202 Hammond.

Edward O. Bixler on "Sleep and Wakefulness: Effects of Age," videoconference, noon to 1 p.m., 108 Wartik Laboratory.

Joyce Robinson on "What's Color Got to Do With It? Sam Gilliam and Carrie Mae Weems," 3 p.m., Lipson Auditorium, Palmer Museum of Art.

Peggy McIntosh on "Five Interactive Ways of Looking at Race and Gender," 3:30 to 5 p.m., HUB-Robeson Center auditorium.

Thursday, February 28

Lauren Ferrie-Wieder on "Prevention Science and Theory Building," 4 to 5 p.m., S209 Henderson.

Thursday, February 28

Marvin Boluyt on "Mechanisms of Cardiac Hypertrophy in Health and Disease," 3 to 4 p.m., 127 Noll Physiological Research Center.

Oebbie Jin on "A Fermi Gas of Atoms," 4 p.m., 117 Osmond Laboratory.

Charles L. Blockson will discuss his book, *African-Americans in Pennsylvania: Above Ground and Underground, An Illustrated Guide*, 4 to 5:30 p.m., 101 Pattee Library.

Friday, March 1

Stephen Fairhurst on a subject to be announced, 11 a.m., 318 Osmond Laboratory.

James P. Quigley Jr. on "Millionaires and Outlaws: A Century of Williamsport and Minor League Baseball," 4 to 6 p.m., 101 Pattee Library.

EXHIBITS

HUB-Robeson Center

Paintings by Lori Mitchell, through March 1.

"The Digital Photography Studio: Penn State THON Photographs," through Feb. 28.

"Historical and Contemporary Black Ovals," through March 17.

"King Kong's Charm Bracelet," by Warren Muller, through March 1.

Palmer Museum of Art

"Sam Gilliam: Recent Prints," through May 26.

Digital work by John Paul Caponigro, through June 2.

John Paul Caponigro, Feb. 26 through June 2.

Pattee and Paterno Library exhibit areas

"Celebrating Martin Luther King Jr. and Black History Month," exhibit featuring 18 posters, through March 4.

"When Two or More are Gathered Together": Groups and Composite Images from the B. and H. Henisch Photo-History Collection," through March 30.

"John Biggers," "Charles L. Blockson," "Paul Robeson" and "Stretches from Todd: A Study Abroad Experience," through March 13.

Ritener Hall

Prints by Rachael Simon, through March 18.

Warner Commons

"Photographic Ethnobotany: Peruvian Plants and People," photographs by Benjamin Chemel, through May 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

BOOK SHELF

Dale M. Grimes, professor emeritus of electrical engineering, and **Craig A. Grimes**, associate professor of electrical engineering.

The Electromagnetic Origin of Quantum Theory and Light, published by World Scientific.

This new text presents a rigorous application of modern electromagnetic field theory to atomic theory. In it, the authors show that quantum theory is a consequence of Maxwell's equations and conservation of energy properly applied. The book is suited

for graduate students and researchers in electrical and electronic engineering, quantum physics, theoretical physics, physical chemistry, plasma physics, statistical physics, thermodynamics and atomic physics.

Vijay Varadan, distinguished alumni professor of engineering science, **Osama Awadelkarim**, professor of engineering science and **Julian Gardner** of the University of Warwick.

Microsensors, MEMS and Smart Devices, published by John Wiley & Sons.

The book reviews traditional and emerging fabrication processes and covers the latest applications in smart devices. It also presents an overview of the development of sensing devices and includes comprehensive appendices outlining vital MEMS, material properties, relevant Web sites and a guide to key institutions active in the field. The book was written for advanced students and researchers in microelectronics, as well as engineers and developers of microsensor systems.

Eduard Ventsel, professor of engineering science, and **Theodor Krauthammer**, professor of civil engineering.

Thin Plates and Shells: Theory, Analysis, and Applications, published by Marcel Dekker.

The authors emphasize novel methods for solving linear and non-linear plate and shell problems and apply the theories to the analysis and design of thin plate-shell structures in engineering. The book is suitable as a text for graduate students, as well as a reference for practicing engineers.



Appointments

New DuBois coordinator named for Undergraduate Studies

Margaret A. Boman has been named the coordinator of the Division of Undergraduate Studies at Penn State DuBois.

Her responsibilities include coordinating and administering programs and services for the unit, which provides advising to the 1,000-plus undergraduate students enrolled at the DuBois campus. Boman also will coordinate advising activities with the services at the campus Learning Center, as well as supervise the freshman testing, counseling and advising program for incoming students.

Boman joined the DuBois staff in 1997 as the campus registrar. She is chairperson of the campus Liaison Committee to the Penn State Commission for Women and was selected the Penn Stater of the Quarter for Fall 2002.



Margaret A. Boman

Before coming to DuBois, she was employed as the associate director of MATH Connections and the Harford Alliance for Mathematics and Science Education project of the Connecticut Business and Industry Association Education Foundation.

She also taught undergraduate mathematics courses at Manchester Community College in Manchester, Conn., and at the University of New Haven in West Haven, Conn.

Boman earned her doctoral degree in mathematics from the University of Connecticut in 1990, and a master's science degree in mathematics from John Carroll University in Ohio in 1984. She received a bachelor's science degree in secondary education/mathematics from Kent State University in 1982.

Health and Human Development appoints executive assistant

The College of Health and Human Development has hired Christopher A. Calkins as its first director of special projects and executive assistant to the dean.

Calkins will be responsible for planning, developing and implementing specific initiatives that have been outlined in the college's 2002-05 strategic plan. He also will assume responsibility for new recruitment, research and curricular initiatives as assigned.

Calkins was previously director of research collaboration for The Institute for Quantitative Healthcare Analysis at U.S. Quality Algorithms, a subsidiary of Actna/U.S. Healthcare.

From 1997 to 2000, Calkins was an

instructor and outreach and curriculum development specialist for the Department of Health Policy and Administration in the College of Health and Human Development. He also has held administrative management positions with the Hospital Council of Western Pennsylvania; the Eden Hospital Medical Center, located in Castro Valley, Calif.; and the Miami Children's Hospital.

Calkins received a bachelor's science degree in health planning and administration from Penn State and a master's public administration degree from California State University at Hayward. He is a doctoral candidate in health policy and administration at the University.

Beatty appointed Continuing Education associate director

Rebecca M. Beatty has been appointed associate director of the Office of Continuing Education, which serves central and north central Pennsylvania.

Beatty will be responsible for program development for a wide range of learners, including adults, working professionals, youth, seniors and other groups.

Beatty joined the Penn State School of Nursing in 1988 as an instructor of nursing. Since 1993, she has been coordinator of continuing and distance education. In 2001, she was named to the editorial review board for *The Journal of Continuing Education in Nursing*. She is



Rebecca M. Beatty

the recipient of a 1996 Program Development Award for the WIC Facilitated Discussions Program, a 1997 President's Award for Exemplary Service and a 1997 Nightingale Award for Excellence in Nursing Education from the Nightingale Foundation of Pennsylvania.

Beatty earned a diploma in nursing in 1971 from the Altoona Hospital School of Nursing. At the University, she earned a bachelor's science degree in nursing in 1978, a master's science degree in community health in 1989 and a doctoral degree in education in 2000.

AWARDS

Faculty and staff members receive awards

The Department of Distance Education/Penn State World Campus has honored University faculty and staff members with nine Distance Education/World Campus Awards:

■ **Bright Future Award:** Stevie Rocco, instructional designer, Distance Education/World Campus.

■ **Customer Service Award:** Distance Education advising team — Donna Anderson, staff assistant, and academic advisers Tammi Crissman, Kim Furst, Jerry Goff, Jane Ireland and Karen Lesch.

■ **Innovation Award:** Laurie Hackenberg, instructional technologist, Distance Education/World Campus.

■ **Leadership Award:** Peter A. Rubba, director of academic programs, Distance Education/World Campus.

■ **Outstanding Distance Education Teaching Award:** Andrew Peck, lecturer in psychology, College of the Liberal Arts.

■ **Partnership Award:** Ginny Newman, senior client development manager, Outreach Office of Client Development.

■ **Stellar Program Award:** GIS Program team — Dave DiBisce, faculty coordinator, World Campus Certificate in Geographic Information Systems; Haydn Kuprevich, account specialist, Outreach Office of Marketing Communications; and these Distance Education/World Campus staff members: Peter Forster, associate director, academic programs; Karen Lesch, academic adviser; and Eleanor Lehman, instructional designer.

■ **Management Team's Outstanding Achievement Award:** Distance Education/World Campus Web redesign team — Roger Garthwaite, senior marketing research manager, Outreach Office of Marketing Research; Haydn Kuprevich, account specialist, Outreach Office of Marketing Communications; and the following

Distance Education/World Campus staff members: Sandy McClain, computer support assistant; Heather Kiris Middleton, assistant director, student services; Robert Snyder, director, data management services; and lead research programmer; and Rhonda Walker, Webmaster/database administrator.

■ **Executive Director's Award for Excellence:** Independent Learning Transformation team — Erich Lenz, World Campus marketing associate, Outreach Office of Marketing Communications; Brad Kozlek, senior applications programmer/analyst, Center for Educational Technology Services; and the following Distance Education/World Campus staff members: Anita Colyer, assistant director, instructional design and development; Rick Shearer, assistant director, instructional design and development; Celia Millington-Wyckoff, instructional materials designer; Gina Leon, instructional materials designer; Jennifer Wilkins, instructional materials designer; Peggy Keating-Butler, instructional designer; Ian Riddell, instructional materials designer; Linda Moad, instructional materials designer; Judy Kelly, instructional materials designer; Nancy Hallberg, instructional technologist; Eleanor Zindler, staff assistant; Kathie Klinefelter, technical typist; Cindy Galbraith, staff assistant; Jamie Mundle, senior microcomputer systems consultant; Laurie Hackenberg, instructional technologist; Allan Gyorke, instructional technology manager; Bonnie Dailey, staff assistant; Jerry Goff, academic adviser; Robyn Robinson, coordinator of faculty and student affairs; Peter Forster, associate director, academic programs; Karen Wagner Pollack, program manager; Blake Withall, program manager; and Janet May, program manager.

Smeal College honors 3 in teaching/advising

The Smeal College of Business Administration recently recognized members of its faculty and staff for their efforts in teaching and advising.

The 2001-2002 Fred Brand Jr. Awards for Excellence in Teaching and Advising were presented on the University Park campus to the following people:

Charles Smith, KPMG professor of accounting, received the Undergraduate Teaching Award. Andrew Bergstein, instructor in marketing, received the Undergraduate Advising Award. Kirsten Grasshoff, a doctoral degree candidate, was recognized with the

Graduate Teaching Assistant Award.

The Undergraduate Teaching Award recognizes outstanding business educators for excellence in teaching and for contributions to the art of teaching.

The Graduate Student Teaching Award recognizes success as a teacher in both competence of subject matter and in ability to inspire students to high achievements.

The Undergraduate Advising Award is presented in recognition of diligent service and rewards outstanding business advisers who have demonstrated sincere interest in the individual student or in student groups.



Penn Staters

Douglas Anderson, dean of the College of Communications, and **Richard Durst**, dean of the College of Arts and Architecture, were participants in a panel discussion about the challenges of Hollywood for individual careers and for the industry held recently in Universal City, Calif.

Henry Giroux, Waterbury Chair professor of secondary education, was listed in *Fifty Modern Thinkers on Education*, published by Routledge and edited by Joy A. Palmer, professor of education and provost-chancellor at the University of Durham, England. Giroux is recognized for his work in youth and popular culture, sociology of education and critical educational theory.

Mohsen Kavehrad, W.L. Weiss Chair professor of electrical engineering, and **Ali Hurson**, professor of computer science and engineering, served as co-editors of the international journal *Multimedia Tools and Applications*. The journal, published by Kluwer Academic Publishers, focused on multimedia systems, mobile computing and information sharing.

Raj Mitra, professor of electrical engineering, presented a seminar on "Efficient Techniques for Modeling and Simulation of RF (radio frequency) Circuits" at the University of Karlsruhe in Germany.

Philip J. Morris, Boeing/A.D. Welliver professor of aerospace engineering, has been elected a Fellow of the American Institute of Aeronautics and Astronautics, a professional organization devoted to the progress of engineering and science in aviation, space and defense.

Kathryn M. Neureiter, grants and Tech Prep coordinator at the DuBois campus, was recently named to the Department of Education's statewide Tech Prep Advisory Committee. Tech Prep is a national education-to-career initiative designed to prepare students for technical positions in engineering technology, applied sciences, mechanical,

industrial or practical arts or trade, agriculture, health or business.

Cecilia Novero, assistant professor of German, gave an invited presentation, "Cultural Studies and Teaching: Proposal for a course entitled 'Narratives of Eating,'" at the Cultural Studies School at Bath Spa University College in England.

Alan Price, professor of English, and **Elizabeth Wright**, assistant professor of English, attended an international conference, "American in Paris: Paris in Americans," in Paris. Price and Wright participated on a panel discussing "Can France survive these defenders?" Price presented "Edith Wharton and the Dimensions of French Propaganda" and Wright presented "Dorothy Canfield Fisher's The Deepening Stream and the Politics of Travel."

Asok Ray, professor of mechanical engineering, was awarded a 2002 Institute of Electrical and Electronics Engineers Fellow Award for contributions to aerospace and electromechanical systems. Ray also was recognized at the International Mechanical Engineering Congress and Exposition annual meeting with a best paper award.

Marica Tacconi, assistant professor of music, has been awarded a Villa I Tatti Fellowship for 2002-2003 from the Harvard University Center for Italian Renaissance Studies. Each year, a selection committee chooses 12 to 15 post-doctoral scholars from an international pool of applicants to pursue their research at the Villa I Tatti Center in Florence, Italy. While in Florence, Tacconi will work on completing her book, *The Service-Books of Santa Maria del Fiore: Cathedral and Civic Ritual in Late-Medieval and Renaissance Florence*.

Eileen Trauth, professor of information sciences and technology, delivered a keynote address at the 12th annual Australasian Conference on Information Systems in Coffs Har-

bour, New South Wales, Australia. Trauth's remarks were titled "The Pursuit of Information Technology in Context."

Jean-Claude Vuillemin, associate professor of French literature, gave a public lecture, "Classical Drama in the Baroque Era: Tears, Passions, and Emotions," at the Université de Saint-Etienne in France. Sponsored by the CNRS (French Research Institute), this conference was aimed to provide special training to candidates who will attempt this spring to pass the Agrégation de Lettres modernes, a highly competitive examination for aspiring professors of French literature.

Thomas L. Watschke, professor of turfgrass science in the Department of Crop and Soil Sciences, received the distinguished member award at the 56th Annual Meeting of the Northeastern Weed Science Society in Philadelphia. It is the highest award given by the society.

A poster, a public television show, a television ad and a magazine produced by **Pennsylvania College of Technology** earned honors in *Admissions Marketing Report* magazine's 17th Annual Admissions Advertising Awards competition. The magazine gave silver awards to the "You're the Chef" cooking series and a full-color poster featuring a photographic collage of students and campus facilities. "This is the Real World," a television ad developed and produced by students and staff, earned a Merit award. *One College Avenue*, the college's quarterly magazine, also received a Merit award.

The **Pennsylvania Office of Rural Health and Penn State Cooperative Extension** have received a 2001 Program of Excellence Award from the U.S. Department of Agriculture's Cooperative State Research, Education and Extension Service for their Swimming Pool Pesticide Applicators Training Program. The program was one of 36 chosen nationwide to be showcased in a database that serves as a resource for cooperative extension educators and stakeholders.



Still life

Karen Rutt, a sophomore majoring in art education, sketches a still life in the Art 111 class on the University Park campus. Charles Cave, associate professor of art, is the instructor.

Photo: Greg Grieco



Promotions

Technical Service

Timothy S. Bowmaster, instrument maker A in Eberly College of Science
Paul E. Chocallo, mechanic A, utility systems at Penn State Wilkes-Barre
Paul H. Corman, instrument maker A in Eberly College of Science
Gary E. Hoy, instrument maker A in Eberly College of Science
Ryan J. Jabco, instrument maker A in Eberly College of Science
John A. Kopp, environmental systems technician in Office of Physical Plant
Johnathan M. Light, heating and ventilating technician in Office of Physical Plant
Timothy J. Treaster, instrument maker A in Eberly College of Science
Scott L. Williams, patrol officer at Penn State Fayette

Staff

Valerie A. Allen, library assistant III in University Libraries
Joanne E. Aller, staff assistant VII in Office of the Vice President for Research
Joyce A. Barnhart, staff assistant IX at Penn State Fayette
Lawrence Belan, manager, network and information systems at Penn State Fayette
James E. Boston, assistant manager of housing and food services, Commonwealth campus in Housing and Food Services
Helen F. Brady, administrative assistant II at Penn State Abington
Sulane A. Breen, staff assistant V in University Libraries
Billie A. Burns, staff assistant VII in College of Medicine, Hershey Medical Center
Matthew J. Burns, staff assistant V in University Libraries
Marion L. Campbell, administrative assistant I in Schreyer Honors College
James R. Carroll, manager, media and instructional services at Penn State Erie
Carlos A. Colon, senior technical specialist in Office of the Vice President for Research
William G. Cook, manager, applications support in Computer and Information Systems — Administrative Systems
Kent A. Crossland, assistant to the director of business services at Penn State Fayette
Norman S. Dano, group manager in College of Engineering
Matthew J. Dronz, director instructional advancement at Penn State Fayette
Robert P. Dunkle, marketing manager in Office of the Vice President for Research
Mark A. Earnest, senior systems programmer in Computer and Information Systems — Administrative Systems
Jeanne Enrich, administrative assistant I in School of Information Sciences and Technology
Marilyn J. Fox, arts coordinator at Penn State Berks
Kathleen M. Giboney, staff assistant V in University Libraries
Lisa A. Graham, staff assistant VI in Office of

Undergraduate Admissions, Office of the Vice Provost and Dean for Enrollment Management and Administration

Dorothy E. Greer, staff assistant VII in Office of Development and Alumni Relations
Lisa A. Grenoble, personal computer support assistant in Office of Student Affairs
Rita Gumbert, staff assistant VIII at Penn State Fayette

Dong G. Hahn, staff assistant V in University Libraries
George L. Hall, library assistant III in University Libraries
Andrew W. Heckathorne, manager, visual communications in Housing and Food Services
Michele L. Henrich, staff assistant V at Penn State Fayette

Jane L. Hosterman, staff assistant V in University Libraries
Stephanie Ironside, staff assistant VI in The Smeal College of Business Administration
Douglas J. Irwin, graphic designer in Housing and Food Services
Carolyn L. Johnson, admissions counselor II at Penn State Fayette

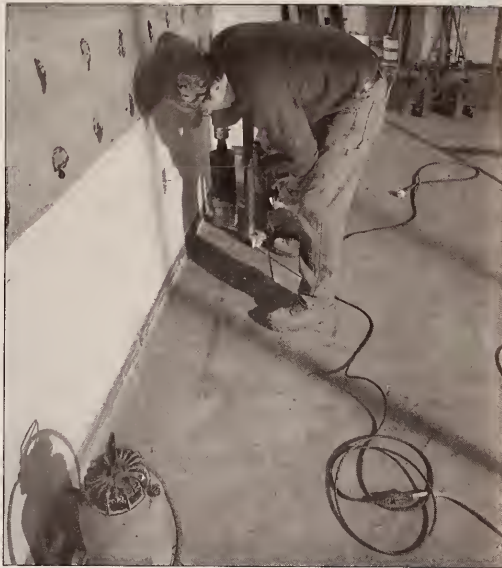
Janet F. Jordan, staff assistant VII at Penn State Fayette
Michael J. Kauffman, manager, applications support in Computing and Information Systems — Administrative Systems
Carol A. Kirsch, staff assistant V in University Libraries
Monica D. Kling, marketing communications account specialist in Housing and Food Services
Earla J. Knoyer, staff assistant VIII at Penn State Fayette

Trisha A. Koch, marketing/advertising assistant in College of Earth and Mineral Sciences
Ruth C. Kozar, staff assistant V in University Libraries
Victoria J. Kovatto, staff assistant VI in College of Communications
Michele L. Lucas, staff assistant VII in Division of Outreach and Cooperative Extension
David J. Nastro, staff assistant V in University Libraries

Robert E. O'Connor, manager of network applications services in Computer and Information Systems — Administrative Systems
Tina M. Reed, staff assistant V at Penn State Fayette
John P. Reish, supervisor area services in Office of Physical Plant
Sharon M. Ries, staff assistant VI in Intercollegiate Athletics

Kerstin S. Roan, associate director in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management
Bobby G. Saltrich, instructional materials designer at Penn State Fayette
Jeffrey L. Sawyer, information technology associate in Eberly College of Science
Kimberly S. Schindler, staff assistant VI in Office of Student Affairs
Amy J. Seachrist, staff assistant VI in College of Education

More space at the museum



Construction on the third floor of the Palmer Museum of Art on the University campus continues. The new space will be used for administrative offices while the second-floor gallery space will be expanded.

Photo: Greg Glico

Shaver's Creek festival taps into maple sugaring

The Maple Harvest Festival will be held from 11 a.m. to 4 p.m. March 16 and 17 at Shaver's Creek Environmental Center.

Festivalgoers can sample fresh maple syrup and join in an all-you-can-eat pancake breakfast between 11 a.m. and 3 p.m. Visitors will learn to identify the maple tree and how to create a "spile" to tap into the tree. Other events will include music and entertainment, concessions, nature walks, costumed interpreters and live-animal presentations.

The festival will cost \$5 per person for

those age 4 and older. Members of Shaver's Creek Environmental Center will be admitted free. The pancake breakfast will cost \$4 per person, age 4 and over.

Shaver's Creek Environmental Center is located in the University's Stone Valley Recreation Area.

For information, visit the Shaver's Creek Web site at <http://www.ShaversCreek.org>, call (814) 863-2000 or (814) 667-3424 or e-mail ShaversCreek@outreach.psu.edu.

COURSES

University Libraries

The University Libraries' Social Sciences Library is offering the hands-on seminar, "Researching the Web," from 2 to 3 p.m. Feb. 25, in the Gateway Commons Instructional Lab, 104 Pattee Library on the University Park campus. The event is free to the public and no registration is required. For information, call Rebecca Bichel at (814) 865-8864.

Health Matters

Wendy Bollinger, registered dietitian, will present "Diet is a Four-Letter Word" from noon to 1 p.m. Thursday, Feb. 28, in 118 Agricultural Sciences and Industries Building on the University Park campus.

Cost is \$5. To register call (814) 865-3085 or go online at <http://www.ohr.psu.edu/health/home.htm>.



Focus on Research

DuBois students band owls as part of national project

Field data collected by some Penn State DuBois wildlife technology students will help researchers develop a better understanding of a little-known owl species.

This fall, second-year students in the campus Wildlife Technology associate-degree program conducted an owl-banding project in the Brockway watershed.

Over a three-week period in late October-early November, students netted and banded Northern saw-whet owls in the forest near Brockway as part of a growing nationwide operation called Project Owl-net.

"The purpose of Project Owl-net is to expand the general knowledge of these owls through the creation of a network of banding stations across North America where researchers can collect data on the species and their migration patterns," explained Charles Schaadt, assistant professor of wildlife technology at the campus.

Established by David Brinker, an ecologist with the Maryland Department of Natural Resources, Project Owl-net has grown from a series of five cooperating saw-whet owl banding stations across Maryland to sites in New Jersey, Maine, Massachusetts, Rhode Island, West Virginia, North Carolina, Virginia, Pennsylvania, Minnesota, Wisconsin and Ontario, Canada.

The Penn State DuBois site has the distinction of being the only banding station in the Allegheny Highlands. It was launched after Schaadt met Scott Weidenaul, a Pennsylvania wildlife author who has been actively recruiting new banders to cover the state.

"Scott and I believed the time was right to expand the project into northcentral Pennsylvania, where vast amounts of forests provide the right habitat for the saw-whet," he said.

With assistance from the U.S. Fish and Wildlife Service, the Pennsylvania Game Commission and the Brockway Water Authority, the campus acquired the necessary permits and the stage was set to begin.

During the project, students worked side-by-side with Schaadt and faculty members



Penn State DuBois wildlife technology student Wayne Bryndel of Ridgway, foreground, provides light from atop his hat as student Brian Jones of Derry immobilizes a saw-whet owl so instructor Keely Tolley-Roen can attach a band to its leg.

Joseph Hummer and Keely Tolley-Roen as they prepared the site and then collected the research material.

Together, they followed a complex protocol established by Project Owl-net that outlined everything from the proper nets to use, to how to place an audio lure and the necessary data to record.

Each night over the three weeks, small groups of students entered the woods at dusk and remained until nearly midnight, checking the nets each hour to see if their

taped recordings of saw-whet calls had lured any into the area. Captured owls were carefully removed and taken to a banding station, set up in a tent, where students took various measurements, checked molt patterns to determine age and sex, and recorded field conditions. Faculty members then banded each bird and supervised the release.

Nearly 40 owls were banded this year, reported Schaadt, who said the program was such a success with students he hopes to conduct it for a longer period next year.

Computer program could prevent truck rollovers

By BARBARA HALE
Public Information

University researchers say a computer program they developed and have tested in simulation could automatically adjust the brake forces on the right and left sides of a heavy truck cab and prevent rollover accidents during cornering maneuvers.

A 1988 report from the National Highway Traffic Safety Administration showed rollover occurred in 52 percent of the heavy vehicle accidents in which the driver was killed. Another earlier report concluded that heavy vehicle rollover was responsible for 95 percent of the bulk spillage of hazardous materials.

Moustafa El-Gindy, director of the Vehicle Simulation Research Center at the University's Transportation Institute and leader of the study, said, "The computer-based controller we've developed will adjust the brake forces on the right and left sides of the cab independently to stabilize the vehicle by reducing the spin which causes rollover. We expect to have a prototype to test on a vehicle in about a year."

El-Gindy said the biggest problem the team had to overcome was developing a computer program that could adjust to the continuous changes that take place in a tractor-trailer as it maneuvers around a corner, such as shifts in the load in the trailer, changes in tire characteristics due to wear or varying inflation pressures or differences in the truck suspension.

However, the simulation tests have shown that the controller they developed can prevent rollover without significantly changing the direction of the vehicle. El-Gindy said that in the application he envisions the controller would engage differential braking automatically only if the lateral acceleration of the vehicle or its spin at its center of gravity exceeded a danger threshold.

A car manufacturer is currently trying to add a differential-braking concept to passenger cars, said the researcher. He thinks the new controller for heavy trucks is the first of its type to offer a workable solution to the rollover problem.

A Scott Lewis, research associate at the Applied Research Laboratory, collaborated in the research.

Barbara Hale can be reached at bah@psu.edu.

\$320,000 foundation grant awarded to professor for recreation study

A University leisure studies professor and two of his colleagues have received a two-year, \$320,000 grant from the Robert Wood Johnson Foundation to explore the role that local recreation and park programs play in the well-being of older adults.

Geoffrey C. Godbey, professor of leisure studies in the School of Hotel, Restaurant and Recreation Management in the College of Health and Human Development, will serve as the principal investigator for the two-year study. Beth Orsega-Smith, assistant professor of health and exercise sciences at the University of Delaware, and Laura Payne, assistant professor of



Geoffrey Godbey

leisure studies at the University of Illinois, will serve as co-principal investigators.

The purpose of the study is to examine the relationship between use of local government recreation and park services and individual health among adults age 50 and over.

The study also will enable the investigators to better understand the knowledge and attitudes that exist in order to develop a collaborative, integrative approach to program design and delivery among local groups identified as stakeholders in the promotion of physical activity.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial assistant/calendar

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High-tech educational tool



The **Life Lion helicopter** was brought to University Park as part of the first-year seminar AEROSP 097S, Hands-On Helicopters, to give freshmen a chance to check out a working rotorcraft vehicle. Students were able to ask the crew questions as well as examine the aircraft. The course is taught by Anna Howard, instructor, and Edward Smith, associate professor of aerospace engineering.



Students were able to get an up-close look at the configuration of the various parts of the helicopter.



The interior of the helicopter is set up so that critical care teams are able to provide an intensive care environment during transport, above. At right, Scott Christensen, the flight nurse for the Life Lion, shows how the gurney is pulled out for the patients.



Photos by
Greg Grieco



Intercom

INFORMING THE PENN STATE COMMUNITY

MARCH 14, 2002

Senate recommends changes in academic calendar

BY ALLISON KESSLER
Public Information

The University calendar will undergo a metamorphosis as early as fall 2003 if President Graham B. Spanier approves the proposal passed by the University Faculty Senate late last month.

The proposed calendar would combine the existing fall break and Thanksgiving break into one full week of vacation at Thanksgiving time. Also, fall and spring semesters each would consist of 72 instructional days and a period of four "final assessment days" would conclude each semester. These recommendations have been sent to the president after more than a year of study and debate.

In a rare standing vote, 105 senators voted for the final calendar recommendations and 62 senators opposed the measure, which was presented to the Senate by the Joint Committee to Review the University Calendar.

"This is a complex issue where there are widely differing

Senate, page 2

This job really has its ups and downs

BY JULIE A. BRINK
Public Information

Most of the time, what goes up must come down.

But for the elevator technicians on the University Park campus, there always are a few exceptions to that rule and they're on hand to make sure that no one gets the shaft.

Six elevator technicians and two preventative maintenance employees keep University Park's 320 elevators, lifts and dumb waiters in prime running condition, according to Jerry Fulare, who supervises the crew. Their motto: "Always leave 'em running."

University Park's vertical people- and freight-movers come in a range of sizes and capabilities. Here's some elevator trivia:

■ The fastest elevator on campus runs at 450 feet a minute and is located at Beaver Stadium. The slowpokes, running at 75 feet per minute, are located in Waring, Hammond and Sackett buildings.

■ The biggest elevator is a freight carrier at The Bryce Jordan Center which has a capacity of 10,000 pounds. In a

related category, the stage lift in Eisenhower Auditorium has a capacity of 61,125 pounds. The smallest is a passenger elevator dating from 1940 in Frear Hall with a 1,000 pound capacity.

■ By floors, Oswald Tower has the highest elevator, traveling 10 stories. By sheer height, the elevators at the stadium travel the farthest vertical distance.

■ The oldest elevator is a 69-year-old installation in Borland Lab that dates back to 1932.

■ The elevator with perhaps the most intriguing history is a hand-operated installation, located in Rider House. The building was a funeral home at one time and the elevator was used to bring the deceased up from the basement. It still is inspected, although seldom used these days.

Recently, Fulare, elevator inspector Ed Jaskowak and lead elevator technician Les Walters took *Intercom's* staff out to Hastings Hall for a run-through of an elevator inspection. Jaskowak demonstrated what to look for while riding the cable car to the top of the shaft and what could go wrong in the 7-



Elevator inspector Ed Jaskowak inspects a cable while perched atop a car inside the shaft at Hastings Hall, University Park.

Photo: Greg Grieco

Elevator, page 2

TLC HALL OF FAME

Professor improves teaching, learning University-wide

BY CELENA E. KUSCH
Teaching and Learning Consortium

R. Scott Kretchmar, professor of sports science and interim head of Kinesiology, has been a major voice in University leadership for almost 20 years.

In 1985, he was elected to the University Faculty Senate. In 1996, he served as Senate chair. In 1999, he became the faculty affiliate representative to the National Collegiate Athletic Association (NCAA).

Interestingly, many faculty members recognize Kretchmar best for his work in improving undergraduate education. In 1990, Kretchmar served as chair of the University-wide Joint Task Force on Undergraduate Education and earlier led the Senate Committee on Undergraduate Instruction. The efforts of these groups reinvigorated the University's commitment to good teaching and put forth a new vision of student learning.

Kretchmar now is being honored with the Teaching and Learning Consortium's Teaching and Learning Hall of Fame Award.

John Cahir, vice provost and dean for undergraduate education, called Kretchmar one of the University's leaders.

TLC, page 3



Lead elevator technician Lester Walters learned his trade from his father. Here, he inspects the cable and pulley in the pit at the base of the elevator shaft.

Photo: Greg Grieco

Elevator

Continued from page 1

foot elevator pit in the basement, and opened up the machine room on the building's roof. He demonstrated how he checks for scarring on the brakes, for deformity in the cable, for wear on the drive sheave, sparking in the generator, filings in the gear box, problems with the relay switches, worn bearings, etc. Jaskowak also put to rest a popular misconception about elevator cars — that they dangle from single cables hung in the shaft. In reality, the cars are connected by a minimum of three hoist ropes.

"These are so over-safe it isn't funny," Jaskowak said. "One cable is capable of handling the whole weight of the elevator, plus the capacity."

Most of the elevator troubles occur in the residence halls, because of the heavy use. Common problems include leveling issues, the car stopping between floors, the doors opening before the car reaches floor level and debris stuck in the tracks. "Students throw pennies down the shaft and sometimes they work themselves into the tracks," Walters said.

The University's elevators are inspected on a regular schedule — every three months for passenger elevators and every six months for freight elevators. When installed, the elevators must pass five standards, ranging from state to national, before being put into use, Jaskowak said.

"We're paying special attention to preventative maintenance," Fulare said. "The more detailed preventative maintenance we do, we find a significant reduction of emergency and nuisance calls. It's really a benefit to the customer."

To that end, the University is replacing elevators on a yearly basis, some of them to comply with the Americans with Disabilities Act requirements, Jaskowak said.

The technicians and maintenance crew receive updated training annually, either from a manufacturer's representative on-

Safety tips

- Watch your step when entering an elevator.
- Watch out for the elevator's closing doors.
- Do not use your hands to stop the doors from shutting.
- In case of a fire, use the stairs.
- Keep clothes away from door openings.

What to do if the elevator stops

- Stay calm. You are safe in the elevator.
- Push the alarm button and wait for help. The police will arrive in five minutes with the elevator technician soon to follow.
- Do not accept help from anyone other than an Office of Physical Plant (OPP) elevator technician.
- If the elevator is between floors, do not try to open the doors.
- Do not try to climb out the car hatch.

— From a list published in OPP's News and Views

site or by visiting a factory location, Fulare said. They also are trained in rescue techniques. Annually, about 20 to 30 entrapments occur at University Park, many on football weekends.

The best advice for a person stuck in an elevator is to push the alarm button three times every 30 seconds and stay put, Jaskowak and Walters emphasized.

"You don't know what's wrong, so many electrical components could stop an elevator," Jaskowak said as Walters demonstrated how easily an individual could fall into a shaft while trying to exit from a stalled elevator car. "It stopped for a reason, but it could take off. The safest way is to wait until a technician comes and completes the rescue procedure."

Julie A. Brink can be reached at jab81@psu.edu.

Senate

Continued from page 1

opinions. The Senate, in a clear, orderly and civil manner, offered its advice to the president. It's a compromise position," said Faculty Senate Chair John S. Nichols.

Previous Senate discussion confirms the diversity of opinion regarding the semester calendar modification. The substantial support for maintaining the status quo contradicted urgent calls to remedy the problems with the current calendar. At the risk of alienating either position, the calendar committee proposed a compromise, according to the committee.

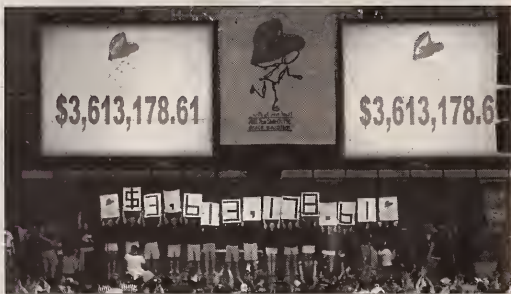
The Senate intends for the calendar changes to provide for a more flexible schedule. The semesters would begin somewhat later, thus allowing students to finish summerlong internships.

Additionally, the consolidation of fall break and Thanksgiving recess would decrease the number of interruptions of scheduled classes during the fall semester, which has been creating some pedagogical and attendance problems for both instructors and students.

"There is widespread agreement within the faculty and administration that the schedule, particularly the fall calendar, is broken," Nichols said. "There is an agreement that it is in need of repair."

In other business, the Committee on Faculty Affairs presented a promotion and tenure summary for 2000-2001 and the Committee on Student Life presented information reports on interim expulsion and student perceptions of safety.

Thon raises record amount — again



From Feb. 22-24, 660 dancers hit the floor at Rec Hall on the University Park campus to participate in The Penn State IFC/Panhellenic Dance Marathon, a 48-hour, no-sitting, no-sleeping fund-raising event that benefits The Four Diamonds Fund. The participants this year raised in excess of \$3.6 million during the event, above. At right, President Graham B. Spanier presided by Thon late Friday night, Feb. 22, to entertain the dancers with some magic.

The Penn State IFC/Panhellenic Dance Marathon is the largest student-run philanthropy in the world, and, through its efforts since 1973, roughly \$20 million has been raised for the fund. THON is the collective effort of more than 4,000 students and has become one of Penn State's greatest traditions.

For more photos, check the Web at http://www.psu.edu/ur/archives/intercom_2002/thon/index.html.

Photos: Greg Grieco



TLC

Continued from page 1

"Scott has played a tremendous leadership role in turning the thinking of the faculty, and of the University in general, away from the notion that the discussion about general education is merely about what courses students should study. Scott encouraged the faculty to focus much more on the nature of the learning process and to look at general education in terms of what learning habits students should develop and what they should take away from the learning process," Cahir said.

Cahir noted, "Much of Scott's thinking about undergraduate education came directly from his work in kinesiology and the philosophy of movement where there is an emphasis on learning by doing and by solving problems. His thinking also is based in his appreciation of the value of a broad education."

Kretchmar's research is in the area of "the mind-body problem and how intelligence shows up in nonverbal ways."

"We often associate intelligence exclusively with numbers and words, but there are other forms of intelligence expressed in the ways we interact creatively with our world through movement," he said. "Thinking does not happen only when we are sitting still."

Active learning important

Kretchmar acknowledged the importance of active learning models in his thinking about broader undergraduate experiences:

"In the past few years we have gained a better appreciation for academic growth involving combining knowledge and application. We have achieved a better understanding of the habits and skills side of learning. We are no longer comfortable just giving understanding to students. Habits and skills appear with repetition, projects and doing," Kretchmar said.

That shift in thinking has led to significant changes in undergraduate education, Cahir explained. The University has increased its attention to assessing the learning process and learning outcomes; the Faculty-Senate has adopted and distributed the principles for Promoting a Vibrant Learning Environment; and the University has adopted the first-year seminar model for engaging students in active learning early in their academic careers.

"These outcomes came directly out of Scott's efforts, and he was one of the driving forces of this effort," Cahir said. "If you look at lists of groups and committees that have made a difference in undergraduate education, you frequently will find his name there as one of the contributors and collaborators. Scott is a terrific role model for anyone who wants to be effective in University leadership."



Who: R. Scott Kretchmar, professor of sports science and interim head of kinesiology
Began teaching at the University: 1984

Research interests: Philosophy of physical activity, values of being physically active and ethics of fair play, including an NCAA-funded study of the environmental conditions that put schools at high risk of NCAA violations.

Teaching philosophy: "I use coaching as the best analogy for teaching activities; my role is to encourage, support, stimulate and help people reach higher than they could on their own."

Honors and awards: Member of the American Academy of Physical Education, 1999 McKay Donkin Award

Education: Doctoral degree, 1971, University of Southern California

Family: Wife Janet, English teacher, daughter Jenny and son Matt, both University alumni

Hobbies: Marathon running, toy trains, gardening

Kretchmar also is committed to balancing his leadership efforts with his other faculty responsibilities. Kretchmar, who edits *Journal of the Philosophy of Sport*, also teaches ethics and philosophy classes with as many as 140 students each.

Even in large classes, Kretchmar achieves active student learning.

"I teach in a traditional theory setting, but I have always had a dialogical style, focused on discussion and debate," he explained. "Students need repetition to change behavior and practice skills, so we use techniques developed by Larry Michaelson of the University of Oklahoma. Michaelson's Readiness Assessment Tests encourage students to think on their own and come up with their own arguments."

Assessment system

In the assessment test system, students read course materials on their own and complete a test at the beginning of each unit to assess their own understanding of content. Sandy Bargannier, instructor of kinesiology and member of the Teaching

and Learning Consortium, worked with Kretchmar to implement the system in his classes.

According to Kretchmar, this system facilitates greater student engagement with the materials. "Studies show that less than half of students will do the reading before they have to. Most wait to hear what the professor will tell them about the content and then cram before the test. By holding them accountable for their own reading and preparation, they must depend on and rely on their own intelligence," he said.

"Ultimately learning comes down to a matter of practice," Kretchmar continued. "You can't just impart knowledge to people; you must enrich student activity by offering them new occasions to fight with the ideas, and you must expect high levels of achievement."

In Kretchmar's classes, students first read and complete an individual test. Next, they complete the same test collaboratively in a small group. Then, student groups have the opportunity to challenge the answers through debate. At the end of the

challenge, Kretchmar steps in as a coach to conduct discussions, offer his own arguments or bring in practitioners to offer their perspectives. Finally, students complete an in-class group project, where they work together to respond to a real world problem, such as a rehabilitation setting or a coaching dilemma.

Kretchmar finds this method works well to build the critical thinking skills necessary to master philosophy and ethics.

"Philosophy is a very complex matter," he said. "My goal is to disturb the students, to bother them about common values people hold and the decisions they make. I want my students to realize that lock-step kinds of information are not going to be sufficient. Professionals can't just turn off their minds and go about their jobs. All of the science our students receive is great, but they will be dealing with human beings and emotions. Professionals in kinesiology can't just be clinical and know the physiology; they have to think about the person."

Better method

Kretchmar admitted his methods can be tough on students who expect teaching to mean lecturing. "But when you look at the open-ended questions in the class evaluations," he continued, "the students report that their groups are extremely functional, they learn effectively about cooperation and group problem-solving. They say, 'This is better. I'm learning more.'"

Jennifer Prior, a former student of Kretchmar's and later an undergraduate teaching assistant for his class, agreed.

"My classes with Scott Kretchmar and Sandy Bargannier have been my best experiences at Penn State," Prior commented. "As a TA, I could see the discussions start to get more intelligent, and students start to relate back to content covered earlier in the semester. Even those students who didn't like his arguments said they were challenged, and I think they learned a lot. He has high expectations of the students and he honestly wants to help them reach those expectations."

Prior is a kinesiology major in the Schreyer Honors College and is currently student teaching in health and physical education.

"Dr. Kretchmar pushes students to disagree with him, to argue with him," she added, "but because he's a philosopher, students have to have solid arguments. By the end of the semester, the students are mimicking the argument structure he uses."

Celena E. Kusch can be reached at cek33@psu.edu.

Lectures

Leonard Pitts, sportswriters to visit campus

A lecture by syndicated columnist Leonard Pitts Jr. of *The Miami Herald* highlights the semiannual Foster Conference of Distinguished Writers, scheduled March 20 and March 21 on the University Park campus.

Pitts will present at free public lecture at 7 p.m. Wednesday, March 20, in HUB-Robeson Heritage Hall.

In addition to Pitts, the conference features Lori Shontz, a sports writer for the *Pittsburgh Post-Gazette*, and Claire Smith, a sports columnist for *The Philadelphia Inquirer*. They will participate in a breakout session at 9:45 a.m. Thursday, March 21. During that session, they will discuss their experiences covering sports and how they approach writing. Ford Risley, assistant professor of communications, will serve as moderator for that session.

NIH official to examine U.S. health disparities

Raynard S. Kingdon, associate director for behavioral and social sciences research at the National Institutes of Health and interim director of the National Institute on Alcohol Abuse and Alcoholism, will present this year's Sol Kramer Lecture at University Park.

Kingdon's presentation will focus on "Racial and Ethnic Disparities in Health in the U.S.: Recent Trends and Causal Pathways" at 4



Raynard Kingdon

p.m. Tuesday, March 19, in the Living Center in Henderson Building.

The event is free to the public.

The Sol Kramer Lecture Series honors the memory of Sol Kramer, former research professor of ethology at the University of Florida and a friend and colleague of Evan Pattishall, dean emeritus of the former College of Human Development.

Author, photographer to narrate slide show

Photographer and author Ron Naveen will present a penguin slide show at 1:30 p.m. Wednesday, March 20, at the Lehigh Valley campus and at 7:30 p.m. Wednesday, March 20, at the Perkins Student Center auditorium on the Berks campus.

Naveen is the author of *Waiting to Fly*.

My Escapades with Penguins of Antarctica and Wild Ice.

The event is free to the public. For information, call the Lehigh Valley campus at (610) 285-5000 or the Berks campus at (610) 396-6000.

Sim Lecturer to discuss 'abortion talk'

William A. Gamson, professor of sociology and co-director of the Media Research and Action Project at Boston College, will be the 2002 Francis M. Sim Memorial Lecturer at 8 p.m. Thursday, March 21, in 102 Thomas Building on the University Park campus.

"Abortion Talk in Germany and the United States" is the title of the lecture.

A second event featuring Gamson, an inter-

departmental colloquium titled "Models of the Public Sphere in Modern Democracies" will be held at 1:30 p.m. Friday, March 22, in 301 Steidle Building, University Park.

Also on the schedule for Gamson's visits are discussions with undergraduate students in the Schreyer Honors College and meetings with members of the sponsoring departments and programs.

Gloria Steinem to speak at University Park

Gloria Steinem, a leader in the late-20th-century women's rights movement, will speak at 8 p.m. Thursday, March 21, in Eisenhower Auditorium on the University Park campus.

Steinem's appearance is part of the University's Distinguished Speakers Series and

is co-sponsored by the Commission for Women. The event is free to the public, but tickets are required. Tickets are now available at the Eisenhower Ticket Office and may be available at the door the night of the speech.

Author looks at political culture in Civil War

Author Mark E. Neely Jr. will present the Steven and Janice Brose Distinguished Lecture Series in the Era of the Civil War on March 21, 22 and 23 on the University Park campus.

Neely is McCabe Greer professor of history and senior historian in residence at the University's Civil War Era Center. The lectures are free to the public.

Neely has titled his presentation, "So Many Voters: American Political Culture in the Civil War Era." These lectures will be compiled into a book published by the University Press of Virginia and this will be the first book in the series.

The lectures are scheduled as follows:

■ Thursday, March 21, 8 p.m., HUB-Robeson Center auditorium.

■ Friday, March 22, 7 p.m., boardroom, The Nittany Lion Inn. This will include a book signing.

■ Saturday, March 23, 3 p.m., Pattee Library's Foster Auditorium.

For information, call (814) 863-0151 or check the Web at <http://www3.la.psu.edu/histstrl/inst/lectures.htm>.

Town/gown presidents' series continues March 18

A community and University partnership — Schlow Memorial Library and the University's Social Sciences Library — will bring a free film and discussion series, "Presidents, Politics and Power: American Presidents Who Shaped the 20th Century," to the Foster Auditorium, 101 Pattee Library, on the University Park campus.

The discussions will be held from 7 to 9 p.m. Mondays, through April 22.

William Bianco, associate professor of political science, and Anthony R. Bichel, political

scientist and academic technology consultant, will lead the discussions and provide reading lists. Through documentary films and text, these local scholars will engage the public in a study of presidential leaders, including Franklin D. Roosevelt on March 18, Harry S. Truman on April 1, Lyndon Johnson on April 8, Richard M. Nixon on April 15 and Ronald Reagan on April 22.

For information, go to <http://www.libraries.psu.edu/crsweb/docs/presidents/or> call (814) 865-4861.

Conversation at Kern turns to globalization

The Graduate School will hold an "An Open Dialogue on Globalization" from 5:15 to 6:30 p.m. Thursday, March 21, in 112 Kern Graduate Building on the University Park campus.

The event is part one of a two-part Conversation at Kern. It stems from a public discussion on the global context of the Sept. 11 terrorist attacks, "Crusade for Understanding and Jihad Toward Peace."

Syedur Rahman, who led the September talk, will be joined by Kidane Mengistieab to present a comprehensive view of globalization.

Rahman is the director of the Hubert H. Humphrey program at the University. Mengistieab is a professor and the head of the Department of African and African American Studies in the College of the Liberal Arts.

Sabbatical experiences explored in lecture

Les E. Lanyon, professor of soil science and management, will present a lecture from 3:35 to 4:25 p.m. March 15 in 101 Agricultural Sciences and Industries Building on the University Park campus.

The topic is "Sabbatical Experiences in Systems and Strategic Thinking and Collaborative Learning." The Department of Crop and Soil Sciences is the host for the event. For information, call (814) 863-1601.

Lecture on nuclear receptors will be March 19

Ronald M. Evans, professor in the Gene Expression Laboratory, March of Dimes chair in Molecular and Developmental Biology and an investigator of the Howard Hughes Medical Institute, will speak on "Nuclear Receptors in Obesity, Diabetes

and Atherosclerosis" in the Life Sciences Consortium's Colloquium on March 19.

The colloquium will be videoconferenced from 101 Thomas Building on the University Park campus to Lecture Room D at the Hershey Medical Center at 4 p.m.

Medieval conference will target King Arthur

"The Fortunes of King Arthur" is the theme for the 2002 Center for Medieval Studies conference March 22-23 on the University Park campus.

Papers will be presented by nine Arthurian scholars from the United States and Britain in the auditorium of the Palmer Museum of Art. Two additional sessions will be held beginning at 1:30 p.m. March 23 that are aimed at

teachers. The King will be devoted to the teaching of the Arthurian legend. The second session will be a panel discussion on Arthurian film, illustrated with clips.

For registration forms and information, go to the Center for Medieval Studies in South 409 Burrows Building, call (814) 863-7484 or e-mail vzl1@psu.edu. Registration is free to University faculty and students.



News in Brief

Intercom schedule

With the end of spring semester approaching, *Intercom* is preparing to return to its summer publication schedule. Beginning with the April 25 issue, *Intercom* will publish every other week through the end of summer. Weekly publication will resume Aug. 22. Publishing dates for the *Intercom* during the spring and summer follow:

Publication date	Copy deadline
March 21	March 13
March 28	March 20
April 4	March 27
April 11	April 3
April 18	April 10
April 25	April 17
May 9	May 1
May 23	May 15
June 6	May 29
June 20	June 12
July 11	June 2
July 25	July 17
Aug. 8	July 31
Aug. 22	Aug. 14

All information for publication in *Intercom* should be sent in the body of an e-mail—not as an attachment—to AMount@psu.edu by noon on the deadline day. Please note that the deadline for the July 11 issue is earlier than normal because of the July Fourth holiday.

Due to the volume of information received, hard copy or faxed material will not be accepted for publication unless the sender does not have access to e-mail. Due to space constraints, items will be published only once per semester. Events that take place on the same date that *Intercom* is published will not be included in that issue.

For a list of guidelines, check the Web. Go to <http://www.psu.edu/INTERCOM/> and click on the link to guidelines.

Library award nominations due

Nominations are sought for the 2002 University Libraries Award, which recognizes the achievement or performance of any person holding an academic, staff or technical service appointment in the University Libraries.

For criteria information and to obtain a nomination form, go to <http://www.libraries.psu.edu/pubinfo/awards/ulaward.htm> or contact Rebecca Mugridge at (814) 865-1755 or rlm31@psu.edu. Nominators must notify persons they intend to nominate for the award.

Submit forms online or return printed nomination forms to Rebecca Mugridge, chair, University Libraries Award Committee, 126 Paterno Library, University Park, PA 16802, by March 15.

FELT proposals sought

Individuals with course improvement ideas are invited to submit a Fund for Excellence in Learning and Teaching proposal.

FELT abstracts of previously funded proj-

ects, submission guidelines and the online submission form are on the Web at http://www.psu.edu/cell/grants/proposal_FELT2002.html. Proposals are due by March 15.

Penn College Open House

The Pennsylvania College of Technology will hold Open House 2002 from 11 a.m. to 3 p.m. Sunday, March 17, at a variety of sites on or near the main campus.

General information sessions, campus tours, career-exploration workshops, financial aid information and other activities are planned for prospective students and their families.

To register or for information, call (800) 367-9222, e-mail admissions@pct.edu or visit <http://pct.edu/openhouse> on the Web.

Women's Commission plans banquet

Annie Stundin, chief information officer and director of the Division of Information Technology at the University of Wisconsin-Madison, will be the featured speaker at the Commission for Women's banquet, Monday, March 18, at The Penn State Conference Center Hotel, University Park.

The event celebrates the group's 21st anniversary, beginning with a social hour at 5 p.m., followed by dinner at 6 p.m.

The theme of this year's banquet is "Coming of Age." Winners of the Rosemary Schraer Mentor Award and Achieving Women awards will be honored at this event.

Tickets for the banquet are \$16 for students and \$25 for nonstudents. Departments can reserve tables for 10 for \$375. For tickets or information, call the commission office at (814) 863-8493.

CORED nominations sought

The Commission on Racial/Ethnic Diversity (CORED) seeks nominations and applications for positions effective July 1.

Membership includes administrators, faculty, staff, exempt, staff nonexempt, technical service employees and undergraduate and graduate students. Full members are appointed by the president to serve a four-year term or, in the case of students, until graduation. Associate members serve a one-year renewable term.

The commission seeks a broad base of nominations from all racial and ethnic backgrounds. Self-nominations are welcome.

Information and a nomination form may be obtained by calling the commission office at (814) 863-7889 or by visiting the commission's Web page at <http://www.psu.edu/dept/cored/membership/nominate.html>. Nomination forms must be returned to the commission office in 311 Grange Building no later than March 30.

Nominations sought

The Commission for Women is calling for

nominations for membership.

The commission advises the president about areas of concern for the women employees and students in the University community. Terms are for three years and membership is open to administrators, faculty, exempt and non-exempt staff, technical service employees and students from all University locations.

Nomination forms can be found at <http://www.lions.psu.edu/cfo/> by following the "get involved" link or by calling (814) 863-8493. The deadline is March 31.

Daughters at work

The Commission for Women is sponsoring the seventh annual Take Our Daughters to Work Day on Thursday, April 25. This year, 39 career sites on the University Park campus are participating to give girls in grades six through 12 a chance to explore the many diverse career options offered at Penn State. Breakfast and lunch will be provided.

At this time, brochures, complete with registration forms, should be in employee mailboxes. Information also is available on the Web at <http://www.outreach.psu.edu/DaughtersToWork2002>. For more information, call Carol Griffin at (814) 863-3461 or e-mail cjg@psu.edu.

Scholarship announced

Students who will be full-time freshmen at any Penn State location or at the Pennsylvania College of Technology, who are children of University technical service or staff employees, are invited to apply for the 2002-2003 Steve A. Garban Grant-In-Aid.

This scholarship, awarded to one first-year student, will be applied to room and board charges for two years.

Letters of application will be accepted until April 30. Letters should include: the student's name and Social Security number; the Penn State or Penn College employee's name and position; and a personal essay of no more than two typewritten pages that gives illustrations of the student's leadership, humanitarian and academic merits. The recipient will be announced in June.

Letters should be sent to Carol Lewis, Student Aid Coordinator for University Scholarships, Office of Student Aid, 314 Shields Building, University Park, PA 16802.

For information, visit <http://www.psu.edu/studentaid> or e-mail Carol Lewis at cll1@psu.edu.

Team support for ANGEL users

With many instructors and students now taking advantage of ANGEL (the Penn State course management system that provides a variety of teaching and classroom technologies), demand for user support has increased significantly.

The Center for Education Technology Services (CETS) has recently created a

Web-based system to meet these expanding needs. Instructors and students who need assistance can fill out an online help form that provides answers to ANGEL-related questions in a timely manner. To access ANGEL user support, go to <http://cms.psu.edu/> and click the "Help" link, then the "Problem Report/Enhancement Request/Question Form" link. Type in the requested information including a description of your concern, then submit.

ANGEL users also may take advantage of a variety of online support materials found under the "Help" link in ANGEL, or call the Help Desk at (814) 863-2494 between 9 a.m. and 5 p.m. Monday through Friday.

Telephone number changed

The telephone number for the Telecommunications Network Operations Center has recently changed from (814) 863-4357 (3-HELP) to (814) 865-4662 (5-ANOC).

The center provides support for trouble calls related to the University's telecommunications and networking services. The center also works to continually monitor and maintain the University's voice, video and data networks to ensure that problems are identified and resolved quickly.

According to Bill Welch, manager of network systems, the decision to change the number was to more accurately reflect the center's role as a problem-reporting center for the University's telecommunications network systems and not as a "help desk" that is primarily geared for more generalized questions.

All problems related to telecommunications and networking services should be reported to the center at the new number, (814) 865-4662 (5-ANOC).

For information, go to <http://www.etc.psu.edu/help/help.asp>.

File assets reports

University employees are reminded to complete the proper forms when moving or disposing of any tagged or untagged University assets.

If moving an asset permanently or for more than one year, use General Forms Usage Guide, Page 6.02—Report of Disposition Or Permanent Transfer Of Tangible Assets or "DISP" on IBIS.

If moving an asset temporarily, between 30 days and one year, use General Forms Usage Guide, Page 6.07—Report Of Temporary Relocation Of Tangible Assets.

Completing the forms helps the University and Property Inventory maintain an accurate online inventory system.

For information, call Robin Cabral at (814) 865-7531 or e-mail rcm1@psu.edu.



Arts & Entertainment

Summer drama camps

MetaStages, a program of the School of Theatre, announces registration for summer drama camps to be held in the Pavilion Theatre on the University Park campus.

The camps, for ages 9 through 18, are divided into age groups. All students receive training in acting technique, voice and speech, mime, movement, improvisation and arts workshop. The non-resident camp meets daily from 10 a.m. to 4 p.m. in four, one-week sessions: July 22-26, July 29-Aug. 2, Aug. 5-9 and Aug. 12-16.

For enrollment information call Joann Leonard at (814) 867-8390.

Basketball exhibit

"Freedom to Play: The Life and Times of Basketball's African-American Pioneers" will be exhibited March 15 through May 12 in the Art Alley at the HUB-Robeson Center on the University Park campus.

A seminar will be held from 2 to 3:30 p.m. March 15 in Heritage Hall, followed by a reception beginning at 3:30 p.m.

"Freedom to Play" chronicles the black role in the development of basketball in the 20th century on the barnstorming, professional and college levels.

Jazz trio coming

The Cyrus Chestnut Trio will present a concert of standards and originals at 8 p.m. Friday, March 15, in Schwab Auditorium on the University Park campus.

Artistic Viewpoints is offered in Schwab Auditorium one hour before the performance and is free for ticket holders.

Tickets cost \$22 for general audience members; \$17 for students; \$7 for University Park students; and \$11 for children 12 and younger.

For tickets, call (814) 863-0255 or (800) ARTS-TIX. Visit <http://www.cpa.psu.edu> on the Web.

Tom Chapin to perform

Folk musician Tom Chapin will present a family concert at 2 p.m. Sunday, March 17, in Eisenhower Auditorium on the University Park campus.

Chapin's frequent musical collaborators, pianist Jon Cobert and bassist Michael Mark, join in the St. Patrick's Day songfest.

Tickets cost \$8. For information, call (814) 863-0255 or (800) ARTS-TIX. Visit <http://www.cpa.psu.edu> on the Web.

Piano recital

Steven Herbert Smith, professor of piano, will present a recital at 8 p.m. Sunday, March 17, in Esber Recital Hall on the University Park campus.

The event is free to the public.



Erin Firestone, an art history graduate student, hangs a digital print by John Paul Caponigro. This print is part of an exhibition on display at the Palmer Museum of Art on the University Park campus, through June 2.

Photo: Greg Gineco

'The Greatest Show on Earth' rolls into town

Ringling Bros. and Barnum & Bailey Circus will present the 131st edition of "The Greatest Show On Earth" April 25 through 28 at The Bryce Jordan Center on the University Park campus.

The show features animals, aerialists, clowns, contortionists, dancers and daredevils. Show times are: 7:30 p.m. Thursday, April 25; 7:30 p.m. Friday, April 26; 11:30 a.m. and 3:30 p.m. Saturday, April 27; and 5 p.m. Sunday, April 28.

Bach's Lunch

The Bach's Lunch concert will feature student organists at 12:10 p.m. Thursday, March 21, in the Eisenhower Chapel on the University Park campus.

This free, 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Campus Ministry. Following the performance, audience members may take their bag lunches to Memorial Lounge of Eisenhower Chapel. Beverages are provided.

BRYCE JORDAN CENTER

Tickets cost \$25, \$18, \$15 and \$10. One-night ticket costs \$25, \$13, \$10 and \$5.

Tickets can be purchased at the Bryce Jordan Ticket Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by phone at (814) 865-5555 or (800) 863-3336, or online at <http://www.bjc.psu.edu>.

Opera lecture

Moylan C. Mills, professor emeritus of integrative arts, will speak on "The Capulets and the Montagues" as part of "An Afternoon at the Arts" at 2:30 p.m. Sunday, March 24, in 112 Woodland Building on the Penn State Abington campus.

Tickets for the lecture are \$8. For information and registration, call (215) 881-7661.

Wood engravers' prints exhibited

"Endgrain: Images from Wood," an exhibition of prints from the Wood Engravers' Network, will be presented through April 5 in "The Gallery at Penn College," 202 Bush Campus Center, at Pennsylvania College of Technology.

Photo club exhibit

Penn State Worthington Scranton will play host to the Northeast Photography Club's Spring Juried Exhibit through April 12 in the campus Study Learning Center.

The exhibition will feature 30 selected black-and-white and color photographs by members of the Northeast Photography Club. The event is free to the public.

For information, call (570) 347-6001 or (570) 963-2580.

Contemporary medals exhibited

"Hands Across the Sea: Medallion Art from Poland and America" will be exhibited through May 1 in the Wooden Cases in the HUB-Robeson Center on the University Park campus.

A reception will be held from 2 to 4 p.m. April 7 in the Hetzel Lounge at the HUB-Robeson Center.

"Hands across the Sea" is an exhibition of 215 contemporary American and Polish medals.

King Arthur exhibit

"The Many Realms of King Arthur," an exhibit based on the Arthurian legends of the Newberry Library in Chicago and the New York Public Library, will be on display through May 10 in the Pattee Library exhibit area on the University Park campus.

The traveling exhibit explores the Arthurian legends from their origins in the folktales, romances and troubadours' songs of the Middle Ages to their latest adaptations in 20th-century novels, films and video games.

In addition to the exhibit, a free public talk and slide presentation, "Images of King Arthur," by Norris J. Lacy, Edwin Erle Sparks professor of French, will be presented at 7 p.m. Monday, March 25, in the Foster Auditorium, 101 Pattee Library.

For information, call (814) 865-0401.

Exhibit of Israeli trip

"Images From Our Heritage: Experiences of Penn State Hill Students in Israel" will be exhibited through May 12 in the Kern Commons Building exhibition area on the University Park campus.

This exhibit of photographs, poetry and journal entries was compiled to encourage students to creatively express their Jewish identities and how they were impacted by the land, culture and mystique of Israel during a visit there.



University Park Calendar

March 15 - March 24



This relief on veneer, chine appliqué is part of the exhibit, "Sam Gilliam: Recent Prints." This display may be viewed at the Palmer Museum of Art on the University Park campus through May 26.

SPECIAL EVENTS

Friday, March 15

"Jefferson Suite," gallery talk by Joyce Robinson, noon, Palmer Museum of Art.

Sunday, March 17

"Carrie Mae Weems: Jefferson Suite and Sam Gilliam: Recent Prints," exhibition opening reception, featuring "Essence of Joy," 2 p.m., Palmer Museum of Art.

Friday, March 22

"Sam Gilliam: Recent Prints," gallery talk, by Don Haxall, noon, Palmer Museum of Art.

MUSIC

Friday, March 15

"Cyrus Chestnut Trio," 8 p.m., Schwab Auditorium. For tickets, call (814) 863-0255.

Sunday, March 17

"Tom Chapin and Friends," 2 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Steven Herbert Smith, piano, faculty recital, 8 p.m., Recital Hall, Music I.

Thursday, March 21

The Penn State Organists, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

Miwako Abe, violin, and Julian Hook, piano, guest/faculty recital, 8 p.m., Recital Hall, Music I.

Saturday, March 23

Children's opera, Susan Boardman, director, 3 p.m., 110 Music I, through March 24

SEMINARS

Friday, March 15

Les E. Lanyon on "Sabbatical Experiences in Systems and Strategic Thinking and Collaborative Learning," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Bjorn Asheim on "Evolving Modes of Knowledge Governance in a Globalizing Economy," 4 p.m., 301 Steidle.

Pamela Scully on "Freed Men in the Archives: The Politics of Masculinity in 19th-Century South Africa," 4 p.m., 102 Weaver.

Monday, March 18

Russell Manning on "Camera Self-Calibration and Image-Based Rendering," 10 a.m., 302 Pond Laboratory.

Li Deng on "Asymmetric Catalysis of Modified Cinchon Alkaloids," 1:15 to 2:05 p.m., 55 Osmond Laboratory.

Kim Cossey on "Asymmetric Catalysis Using Small Organic Molecules," 1:15 p.m., 55 Osmond Laboratory.

Roland K. Bullard II on "FastShip: Strategic Innovation for Intercontinental Logistics," 2:30 p.m., 112 Kern.

Robert Hass, 8 p.m., Heritage Hall, HUB-Robeson Center.

Tuesday, March 19

Thomas La Porta on "Research Challenges in Mobile Networking and Computing," 10 a.m., 302 Pond Laboratory.

Zhong Lin Wang on "The Science of Nanobelts and Nanotubes," 4 p.m., 22 Delke.

Raynard S. Kingston on "Racial and Ethnic Disparities in Health in the U.S.: Recent Trends and Causal Pathways," 4 p.m., Living Center, Henderson.

Jeff Saven on "Theory of Protein Sequence Ensembles: Functional Interpretation of Databases and Statistical Protein Design," 4 p.m., 55 Osmond.

Ronald M. Evans on "Nuclear Receptors in Obesity, Diabetes and Atherosclerosis," 4 p.m., 101 Thomas.

Wednesday, March 20

Leonard Pitts Jr. on "Getting Over It: Race, Reconciliation and Two Big Fat Lies," 11:30 a.m., The Penn Stater. For tickets, call (814) 865-7590.

Ariene Katz on "Council of Elders," noon, 108 Wartik Laboratory.

David McBride on "Environmental Pollution and Cognitive Development in Black Children in the Americas and Africa," 4 to 5:30 p.m., 216 Willard.

Leonard Pitts Jr., 7 p.m., Heritage Hall, HUB-Robeson Center.

Thursday, March 21

Benjamin Elman on "The Transmission of Modern Science in Late Imperial China," 4 p.m., 102 Weaver.

"An Open Dialogue on Globalization," 5:15 p.m., 112 Kern.

Gloria Steinem, 8 p.m., Eisenhower Auditorium. Tickets are available at the Eisenhower Auditorium box office.

William A. Gamson on "Abortion Talk in Germany and the United States," 8 p.m., 102 Thomas.

Mark E. Neely Jr. on "So Many Voters: American Political Culture in the Civil War Era," 8 p.m., HUB-Robeson Center.

Friday, March 22

Joao Cangussu on "A State Variable Approach for Feedback Software Process Control," 10 a.m., 302 Pond Laboratory.

Neil Sharkey on "The Complex Genetic Architecture of Bone Quality," 3 p.m., 127 Noll Physiological Research Center.

Mark E. Neely Jr. on "So Many Voters: American Political Culture in the Civil War Era," 7 p.m., boardroom, The Nittany Lion Inn.

Saturday, March 23

Mark E. Neely Jr. on "So Many Voters: American Political Culture in the Civil War Era," 3 p.m., Foster Auditorium, Pattee Library.

EXHIBITS

HUB-Robeson Center

"Historical and Contemporary Black Oolts," through March 17.

"Freedom to Play: The Life and Times of Basketball's African-American Pioneers," through May 12.

"Hands Across the Sea: Medallion Art from Poland and America," through May 1.

Kern Commons exhibition area

"Images From Our Heritage: Experiences of Penn State Hill Students in Israel," through May 12.

Palmer Museum of Art

"Sam Gilliam: Recent Prints," through May 26.

Digital work by John Paul Caponigro, through June 2.

"Carrie Mae Weems: Jefferson Suite," through June 9.

Pattee and Paterno Library exhibit areas

"When Two or More are Gathered Together": Groups and Communitarianism in the B. and H. Henrich Photo-History Collection," through March 30.

"The Power of Youth: 100 Years of A.C.U.," through April 5.

"The Many Realms of King Arthur," through May 10.

Warwick Commons

"Photographic Ethnobotany: Peruvian Plants and People," photographs by Benjamin Chomay, through May 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

COURSES

McCoys Natatorium

Two sessions for Age Group Springboard Diving will be offered this spring. The program is for ages 6 years and older. The Learn To Dive program is designed for those just starting into the sport. The Junior Olympic group is for more advanced divers.

Classes are from 6:30 to 7:30 p.m. for Learn to Dive and 8:30 to 8 p.m. for Junior Olympics Tuesdays and Thursdays. Sessions are March 16 to April 18 and from April 30 to June 6.

To register, call Jon Larson at (814) 863-3945 or stop by the McCoy Natatorium on the University Park campus.

Penn State Portal

Two additional sections of the seminar "How to Use the Penn State Portal" are being offered from 9 to 10 a.m. March 21 and from 1:25 to 2:25 p.m. April 16 in 117 Wagner Building. The seminar, offered by Computer and Information Sys-

tems, focuses on how to navigate and customize the portal site.

The only prerequisite for the seminar is experience using a Web browser. To register, visit <http://cac.psu.edu/training/> and click the "Register for Seminars" link. Under "Table of Contents," type "Portal" in the search field.

Wolszczan featured on Polish millennium stamp set

By ANDY ELDER
Eberly College of Science

Alexander Wolszczan, Evan Pugh professor of astronomy and astrophysics and discoverer of the first planets found outside our solar system, has been honored by Poland in having his likeness featured on a special set of 16 postage stamps celebrating the past millennium. Also featured on the stamps are Nicolaus Copernicus, considered by many to be the founder of modern astronomy, and the Arecibo radiotelescope, which Wolszczan used in his discovery of the planets.

"I have been told that the design of the stamp is intended to celebrate a continuation of a good tradition in astronomy in my homeland," Wolszczan said. "Copernicus moved us from the center of the universe to where we are now. Since then, many important steps have been taken to understand our position in the universe. My discovery is just one of many steps that have been taken."

Wolszczan's pairing with Copernicus is particularly apt, considering both lived in Torun, Poland; both are pioneers in astronomy; and Wolszczan earned his master's and doctoral degrees from Nicolaus Copernicus University in Torun. Copernicus, who lived from 1473 to 1543, developed the Copernican system, which placed the sun at the center of planetary orbits. Wolszczan became the first person to discover planets outside our solar system in 1992, when he used the 1,000-foot Arecibo radiotelescope to

detect three planets orbiting a rapidly spinning neutron star. His discovery, which suggested that planets might be plentiful throughout the universe, opened the door to the current intense era of planet-hunting.

Wolszczan said his honor can inspire future scientists all over the world.

"Certainly it immediately tells you that if you work hard enough, make good progress and have a little bit of good luck, you can go pretty far in science just as you can in other domains," he said. "In countries such as my homeland where it is more difficult to achieve something, such encouragement is especially inspiring to young people."

The Polish 16-stamp set, titled "Polish Millennium," summarizes the last 1,000 years of history, culture and science in Poland. Each stamp represents a different field of life, including: Christianity; parliamentarianism; history of political publications; theater; independence; international traditions of the Polish military forces; astronomy; education; traditions of the Polish army; the struggle for independence; art; music; Poland in the European system; Polish symbols; Polish sport; and language, letters and literature.

Other prominent figures featured on stamps include Pope John Paul II and popular labor leader Lech Walesa, who was awarded the Nobel Peace Prize in 1983 and elected his country's president in 1990.

"I'm very pleased to be on the stamp and it also feels a little bit strange because I never expected it would go that



Alexander Wolszczan, Evan Pugh professor of astronomy and astrophysics, has been honored in his home country of Poland with a stamp bearing his likeness. Wolszczan discovered the first planets outside the solar system.

far," Wolszczan said. "I feel happy and a little bit embarrassed."

Images of the 16-stamp set and the individual stamp featuring Wolszczan are available on the Web at <http://www.science.psu.edu/alert/Wolszczan2.2002.htm>.

Andy Elder can be reached at awe2@psu.edu.

Penn State York seeks campus executive officer

The Commonwealth College invites applications and nominations for the position of campus executive officer at Penn State York.

The CEO reports to the dean of the Commonwealth College and provides academic and administrative leadership for the campus in all areas, including academic programming (both resident instruction and continuing education), human resources, fiscal management and facilities maintenance/improvement. He/she also is responsible for developing and maintaining close relationships with surrounding communities as well as other University campuses and administrative units.

Qualifications include:

- Earned doctorate and college teaching experience;
- Record of success as a senior academic administrator or other senior executive;
- Demonstrated leadership skills, vision, and ability to identify and build on the strengths of a successful academic institution;
- Familiarity with the use and implementation of technology in an educational setting;

■ Well-developed communication skills and a demonstrated ability to work in an environment of collegiality and shared decision-making;

■ Success in building a rich, diverse work force and student community;

■ Extensive experience in developing collaborative partnerships with community and business leaders; and

■ Ability to work collaboratively within a multi-campus system to identify and achieve common goals.

The position is available Jan. 1. Review of applications will begin April 15 and continue until the position is filled.

Applicants should submit a letter of application, resume, and the names, addresses (including e-mail addresses), and phone numbers of three professional references to Lisa B. Squire, director, College Administration, Planning and Information Technology, 111 Old Main, University Park, PA 16802.

Virtual Reality Day Open House set for March 19

A Visualization and Virtual Reality Day Demo and Open House will be held from 9 a.m. to 5:30 p.m. Tuesday, March 19, in the Center for Academic Computing/School of Architecture and Landscape Architecture Immersive Environments Lab in 306 Engineering Unit C on the University Park campus.

This event will offer an opportunity for faculty and staff to see the recently constructed lab and to attend presentations on how the lab

and similar facilities are being used in teaching and research. The open house and demonstrations are scheduled from 9 a.m. to 4 p.m. A discussion and "get acquainted with your VR peers" session from 4 to 5:30 p.m. will follow.

More information about visualization, a schedule of demonstrations, virtual reality, the lab and related projects is found at <http://viz.ecs.psu.edu/or/>.

The Graduate School seeks assistant dean

The Graduate School is seeking candidates for the position of assistant dean.

The assistant dean reports directly to the senior associate dean of The Graduate School and is responsible for all Graduate School programming directly related to graduate students, including enrichment and professional development activities.

Specific responsibilities include:

■ Serve as Graduate School representative on University-wide committees and committees of The Graduate Council.

■ Manage graduate student concerns and grievances; analyze student issues and conflicts, and advise students, faculty and administrators.

■ Serve as liaison to the Graduate Student Association and other graduate student organizations.

■ Review and analyze Graduate Council policies.

■ Prepare written communications and public presentations for the dean's office.

■ Represent the Office of the Dean of The Graduate School on select academic and administrative committees and in meet-

ings with faculty leaders, deans, executives and others.

■ Evaluate trends in graduate education and assist with strategic planning for The Graduate School.

The successful candidate should have a track record of experience in and commitment to graduate education, excellent organizational, interpersonal and communication skills, and the ability to lead effectively. A doctorate is required.

Applicants should send a cover letter indicating their interest in the position, a curriculum vitae and names and contact information (mailing address, daytime telephone and e-mail address) of three individuals for professional references to: Regina Vasilatos-Younken, senior associate dean of The Graduate School, 114 Kern Graduate Building, University Park, PA 16802.

Applications will be accepted beginning March 15 and continuing until a qualified applicant is hired.

Review of applications will begin April 1. Starting date for the position is July 1.

LEAVE OF ABSENCE

The following leave of absence recently was approved, in addition to the listing that appeared in the Feb. 7 edition of *Intercom*.

Leaves of absence are granted for purposes of intensive study or research that will increase the quality of the indi-

vidual's future contribution to the University.

■ **Kathleen L. Lodwick**, professor of history at Penn State Berks, to conduct research on the feminization of Christianity with the involvement of Western missionaries to China in the 19th century on Hainan Island.



Women's History Month

The University community will celebrate Women's History Month at a number of locations. The schedule of activities and events follows:

Altoona

■ **Friday, March 15:** Hispanic folk singer Eileen Torres will give salsa lessons and a history of modern Latin music at 7 p.m. at the Skip Student Center.

■ **Tuesday, March 19:** "The Hour of the Star," a Brazilian film examining issues of gender, class and ethnicity, will be screened at 6:30 p.m. at the Skip Student Center.

■ **Wednesday, March 20:** "From Petticoats to Ph.D.s: A Look at the History of Women's Roles at Penn State," by Jackie Esposito, University archivist, will be held from noon to 1:30 p.m. in 102-103 Community Arts Center. Lunch is provided.

■ **Tuesday, March 26:** "The Women," a film based on the play by Clare Boothe Luce, will be screened at 7 p.m. in the Skip Student Center.

■ **Wednesday, March 27:** Joy Harjo, American Indian and feminist poet, will speak at 7:30 p.m. in Adler Athletic Complex.

■ **Thursday, March 28:** Leslie Bonck, Steelers and Pittsburgh Ballet Company nutritionist, will lecture on healthy eating from noon to 1 p.m. in the Skip Student Center.

■ **Thursday, March 28:** Allied Motion Improvisational Happening will present "Through a Glass Darkly: Men, Masks, Women" at 3 p.m. on the first floor of the Force Technology Building.

■ **Tuesday, April 9:** A Take Back the Night vigil, held in conjunction with Family Services of Blair County, will begin at 8 p.m. at the Skip Student Center portico.

Beaver

■ **Tuesday, March 26:** The Long Island Ballet, an all-female troupe celebrating women's dance art, will perform at 7:30 p.m. at the Study Learning Center auditorium. The event is free to the public.

■ **Wednesday, March 26:** Cathy Braaten, acoustic guitarist, singer and songwriter, will perform at noon at the Broadhead Bistro. The event is free to the public.

Berks

■ **Tuesday, March 19:** The Barbara Martin Trio will perform at 7:30 p.m. in the Perkins Student Center auditorium. The acoustic trio features the songs of female blues singers of the 1920s, reviving their music with anecdotes from their lives.

■ **Monday, March 25:** Maxine Maxwell will present "Echoes of the Past," which looks at the black female experience, at 7:30 p.m. at the Perkins Student Center.

Delaware County

■ **Tuesday, March 26:** "The Bloodjet is

Poetry: The Life and Works of Sylvia Plath," a dramatic presentation by Donna Coldwell, will take place at 11:30 a.m. in 101 Main Building. The event is free to the public.

■ **Thursday, March 28:** Mary Leftridge Byrd, superintendent of the Men's Prison in Chester, will be the guest speaker at the Commission for Women Luncheon at 11:30 a.m. in the Large Conference Room in the Athletic/Commons Building.

DuBois

■ **Tuesday, March 19:** Sheila Scullante will read selections of her poetry from 6 to 7 p.m. in 106B Multi-Purpose Building. The event is free to the public.

■ **Wednesday, March 20:** Margaret Orner presents the one-woman show "Mother Jones: My Life and Times" about American labor advocate Mary Harris Jones at 7 p.m. in the Hiller auditorium. The event is free to the public.

■ **Friday, March 22:** Students from the Women's Studies 301 class present "Feminists in History," a panel discussion, at noon in the Smeal Building conference room.

■ **Wednesday, March 27:** Historian Laurie Sprankle will present "Reflections on Uncle Tom's Cabin 150 Years Later: Women and Reform in the Pre-Civil War Era" at 7 p.m. in the Hiller auditorium. The event is free to the public.

■ **Thursday, March 28:** Authors Kerry Neville Bakken and Christopher Bakken will discuss their works from 6:30 to 8 p.m. in 10 Multi-Purpose Building. The event is free to the public. For information, call Jacquelyn Atkins at (814) 375-4815.

Great Valley

■ **Wednesday, March 27:** Tina Hay, editor of the *Penn State* magazine, will be the guest speaker at the Great Valley Commission for Women's annual luncheon at noon in 205-206 Safeguard Sciences Building. Hay will present a slide show that illustrates how women have been portrayed in the magazine over the past century.

Harrisburg

■ **Tuesday, March 19:** Grace Fala, associate professor of communication at Juniata College, will present on "Organic Communication: The Conservation of Conversation" from 6 to 8:30 p.m. in Gallery Lounge, Olmsted Building.

■ **Wednesday, March 20:** Long Island Ballet, an all-female troupe celebrating women's dance art, will perform at noon in Gallery Lounge, Olmsted Building.

■ **Thursday, March 21:** Southern gospel diva Renee Basil will perform at noon in Kunkel Auditorium, Olmsted Building.

■ **Monday, March 25:** Contemporary gospel diva Rhonda Marsh will perform at noon in Morrison Gallery, Library.

■ **Tuesday, March 26:** Rock diva Cathy

Braaten will perform at noon in Gallery Lounge, Olmsted Building.

■ **Tuesday, March 26:** "The Day I Became a Woman," part of the Penn State Harrisburg International Film Festival, will be screened at 8:30 p.m. in Kunkel Auditorium, Olmsted Building.

■ **Wednesday, March 27:** Country-western diva Jackie Bichsel will perform at noon in Morrison Gallery, Library.

■ **Thursday, March 28:** Gospel diva Carolyn White-Spaul will perform at 7 p.m. in Kunkel Auditorium, Olmsted Building.

Hazleton

■ **Tuesday, March 26:** Margaret A. Orner will present "Mother Jones: My Life and Times," based on the life of labor organizer Mary Harris Jones, at 7:30 p.m. in the Slusser/Bayzick Building. The event is free. For information, call (570) 450-3180.

Lehigh Valley

■ **Wednesday, March 27:** "My Journey, My Islam," a film about Islamic women living in the West and how they reconcile religious and cultural obligations, will be screened at 2:30 p.m. on campus.

McKeesport

■ **Monday, March 18:** The Penn State McKeesport Commission for Women will observe Women's History Month with a luncheon and program at noon in the Frable Conference Center. The luncheon is open to employees only, and the program is free to the public. Mary Ellen Higgins, assistant professor of English, is the keynote speaker. She will give a slide presentation and discuss her travel experiences beginning at 1 p.m. For information call Carol Meek at (412) 675-9174.

Mont Alto

■ **Through March 26:** "Enigmatic Entelechy," an art exhibit by Megan Weikel, will be displayed in the library. It features box art, constructions and works on paper.

■ **Wednesday, March 26:** A coffeehouse performance by Any Space will be held at 8:30 p.m. in the Milkstream Cafe.

■ **Friday, March 22:** A coffeehouse performance by Sara Wheeler begins at 8 p.m. in the Mont Alto Hall Lobby.

■ **Wednesday, March 27:** Nancy Walker will present the Renaissance Dance Workshop at 7 p.m. in the Multipurpose Activities Center. All events are free to the public. For information, call (717) 749-6112.

Schuylkill

■ **Monday, March 25:** Judith Stephens will discuss "Georgia Douglas Johnson, Activist Playwright and Cultural Sponsor of the New Negro Renaissance 1920-1940" at noon in the Fryer Conference Center.

■ **Wednesday, March 27:** "I'm Every

Woman," featuring state Rep. Louise Bishop and a panel representing all areas of women's interests and concerns, begins at 5 p.m. in Morgan Auditorium.

Shenango

■ **Wednesday, March 27:** Actor Gregory Gibson Kenney will perform his one-man tribute to Rosa Parks at 7:30 p.m. in the Foraker Laboratory Forum. Kenney will portray Just'n Truth, a young man who was on the bus the day Parks refused to give up her seat.

University Park

■ **Thursday, March 21:** Gloria Steinem, a leader in the late-20th-century women's rights movement, will speak at 8 p.m. in Eisenhower Auditorium. Steinem's appearance is part of the University's Distinguished Speakers Series. The event is free to the public, but tickets are required.

■ **Tuesday, April 2:** Loretta LaKoch, stress management expert and author, will deliver the Penn State Forum lecture, "The Joy of Stress: Humor as a Coping Mechanism," at noon at The Nittany Lion Inn. For tickets or information, call (814) 865-7580.

Wilkes-Barre

■ **Monday, March 18:** A Colleague Conference on Women's Issues will be held from 8 a.m. to 1:30 p.m. in the Center for Technology, Jil Garrett, WNEP-TV 16 Healthwatch reporter, will be the keynote speaker. For information or to register, call (570) 675-9263.

■ **Monday, March 18:** The Barbara Martin Trio will present "The History of Women in Jazz" at noon in the Student Commons. For information, call (570) 675-5284.

Worthington Scranton

■ **Thursday, March 21:** "Women Dancing," performed by the Long Island Ballet, will begin at 7:30 p.m. in the Jewish Community Center. For information, call (570) 963-2700.

York

■ **Tuesday, March 26:** The Second Annual Women's Roundtable begins at noon in the Conference Center. The program provides students with the opportunity to meet professional women from a variety of fields. The program is open to students, faculty and staff on a first-come, first-served basis. As part of the event, the campus is collecting items for the March of Dimes. A "baby shower" table will be set up to collect all donations of diapers, toys, blankets, clothing and other infant items.



Gloria Steinem



Private Giving

Annual Faculty and Staff Campaign gets under way

Spring is just around the corner, and with it comes the annual Faculty and Staff Campaign. University-wide participation in the fund drive — a key component of the University's seven-year Grand Destiny campaign — has increased to 49 percent, with eight units having participation rates above 80 percent (see table). With only 16 months left in the capital campaign, keeping momentum is crucial. Many units are focusing on innovative ways to boost enthusiasm and increase participation in their campaigns.

For example, after several years of conducting their faculty and staff solicitation in the spring, the Penn State Shenango campaign committee, headed by Kathleen Mastrian, associate professor of nursing, decid-

ed to try to renew interest and increase involvement by doing something different. They moved their solicitation to the fall and held a lunch for all faculty and staff at which the new time-frame, ways to give, gift designations, promotions and recent faculty- and staff-established endowments were discussed. The campaign committee teamed up with a local market, Magnetto's Shop 'n Save, to offer an incentive for all donors above a certain giving level, and those donors also were eligible for a prize drawing. Following this event, Penn State Shenango reports that nearly two out of three faculty and staff members are now participating in the campaign.

The campaign committee at Penn State

Mont Alto, led by the Office of University Relations, held a beach party and ice cream social in late February to introduce faculty and staff to the annual fund. Guests enjoyed Creamery ice cream and relaxed amid beach chairs, umbrellas, towels and coolers while Margaret Taylor, director of institutional advancement, explained the annual fund, how it helps people throughout the year, how they can give to the area of their choice and why to give through the faculty and staff campaign. Everyone who attended the event — about 80 faculty and staff members — received a chance to win a free weekend in Cape May, N.J., donated by alumnus Mark Hahn.

Each campus conducts its faculty and staff campaign according to its own

Top participation by unit as of February 2002

Wilkes-Barre	99.9
Undergraduate Education	99.5
Development/Alumni Relations	99.5
New Kensington	99.0
Office of the President	95.0
Intercollegiate Athletics	93.8
Worthington Scranton	88.8
Great Valley	80.6
University-wide average	49.4

Source: Office of Annual Giving

timetable. At University Park, faculty and staff soon will receive information packets in campus mail. For information, call Elizabeth Wilson, Office of Annual Giving, at (814) 863-2052 or e-mail ekw2@psu.edu.

Leading the Way The Faculty and Staff Campaign 2002



THE
PENN STATE
CAMPAIGN

"I contribute to Penn State's Mont Alto campus because of the very positive impact that the campus had on my life. I also donate to Penn State because I look at it as an important investment in our future. The most valuable lessons that I learned while a student were the power of friendship and the importance of a Penn State

education. My contribution can help students realize their potential by making their education improved through teaching, research and service. Today's Penn State student will appreciate later in life that their University experience made them a better person."

— **Bernie Punt** is director of sales and marketing for The Bryce Jordan Center and a 1984 graduate of the College of Communications.

For information on faculty and staff giving, check the Web at <http://www.development.psu.edu/WaystoGive/AnnualFund/facultystaff.asp>.

Couple's endowment funds music and science faculty

The University will add endowed professorships in music and science, thanks to a \$750,000 gift from Harold and Nancy O'Connor.

The O'Connors have designated their gift to be divided equally to create two endowments, which will support faculty in the early stages of their academic careers. The gift is part of their estate plans.

The Barbara O'Connor Hawman Career Development Professorship in Music is named in honor of the O'Connors' daughter, a 1981 University graduate in music performance. It is the first professorship to be endowed in the College of Arts and Architecture.

The Harold and Nancy O'Connor Career Development Professorship in Physics, Astronomy and Astrophysics may be awarded to a faculty member in any of those fields in the Eberly College of Science.

Harold O'Connor graduated from Penn State in 1952 with a bachelor's degree in physics. He joined the State College-based Chemcut Corp. in 1958 as secretary-treasurer, became its president in 1966 and led it through public stock offerings and sale to Schering AG in 1980. He retired from Chemcut Corp./Schering AG in 1987. He was named a Distinguished Alumnus in 1991. O'Connor has been a trustee of Susquehanna University for more than 20 years, including 11 years as chairman of the board.

Nancy O'Connor has served as an advisory board member at the Palmer Museum of Art and as a volunteer for Schlow Memorial Library and the Centre Community Hospital. She is an avid booster of Lady Lion basketball.



Focus on Research

Poor students face difficulty getting degree

By PAUL BLAUM
Public Information

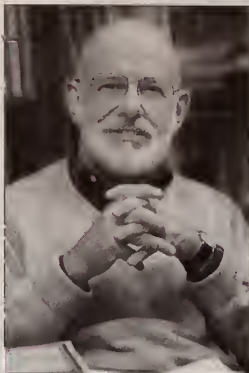
Public policy aimed at helping low-income students succeed in college must include not only financial aid, but also a wide-reaching, multifaceted program of preparation beginning as early as elementary school, a University study reports.

Current pre-college intervention programs are doing a good job, but most of them focus on one or two areas of need, rather than the full array of students' needs," said Patrick T. Terenzini, professor of higher education and senior scientist with the Center for the Study of Higher Education. "Current programs also concentrate on individual students, rather than on whole cohorts or age groups of students in low-income schools. The goal should be to give all low-income students an equal shot at preparing for college. But significant numbers of these young people start falling behind in their readiness and awareness of what's needed for college by the sixth or seventh grade and never make it to the starting line."

Terenzini, Alberto F. Cabrera, associate professor of higher education and senior research associate at the center; Elena M. Bernal, director of the International Research Office at Bryn Mawr College and doctoral student in higher education at Penn State, are co-authors of the monograph, "Swimming Against the Tide: The Poor in American Higher Education," published as Research Report No. 2001-1 by the College Entrance Examination Board.

"In the eighth grade, the desire to go to college is about as high among low-income students as among their affluent classmates," Terenzini said. "Whereas nearly all of the latter will realize their aspirations, only about two-thirds of the former will do so."

Compared to their wealthier peers, low-income students face major obstacles when it comes to preparing for college, making the academic transition from high school to college, and maximizing the college experience



Helping low-income students overcome obstacles to getting to college requires a multifaceted program of preparation beginning as early as elementary school, according to Patrick Terenzini, professor of higher education and senior scientist with the Center for the Study of Higher Education.

Photo: Greg Givens

itself both from an educational and occupational standpoint," the researcher said.

Lower-income students grow up in cultures where access to education is much more difficult. They do not receive as much reinforcement or guidance from parents and schools, with the result that they are less inclined or able to pursue a rigorous high school curriculum, researchers said.

Often low-income students come from single-parent households, which can generate little or no savings for college, Terenzini noted. Seventy-eight percent of low-income

young people have parents with no college experience, compared to 98 percent of high-income students who have parents with college backgrounds and expect their children to carry on the pattern. In 1998-1999, total federal and state financial aid for college students reached \$64.1 billion, an 85 percent hike in constant dollars over the past decade. This increase has enhanced opportunities to attend college on all socioeconomic levels, but class disparities persist.

"An unintended consequence of the growing reliance on loans in packaging student financial aid may be to push some low-income students who fear an unmanageable loan debt to choose instead to work longer hours to pay their educational expenses," Terenzini noted. "The evidence shows that working longer hours, particularly off-campus, reduces students' chances to become academically and socially involved in their institutions, thereby reducing the likelihood that they will complete their degree programs."

Putting disadvantaged students on the road to college commencement means reaching their parents when their children are still in grade school, he said. The parents need information on financial planning for their children's college education and what will be required in the way of their children's high school curriculum and other aspects of their academic preparation.

Parents and children alike also need help in making the best match between the children's aptitudes and available degree programs. This would permit low-income students not only to obtain their degrees but also to do so in the shortest, least expensive amount of time, according to researchers.

For this to happen, a more tightly knit, long-term partnership is required between the federal government, state agencies, colleges and universities, schoolteachers, parents and students across the kindergarten-to-16 spectrum, Terenzini said.

Paul Blaum can be reached at
pblaum@psu.edu.

Research presents strategy for Social Security reform

Penn State Mont Alto faculty member Elizabeth Hill recently completed a research project that offers insight for policy-makers on the issue of Social Security reform.

Hill, a labor economist, found that if part of the goal is to keep older people employed, the biggest incentive for older women to remain in the work force is flexibility on the job.

Hill studied 2,608 older women, ages 60 to 74, using data from a Bureau of Labor Statistics survey. The goal of the research project was to find which older women are more likely to be employed.

First, Hill found that retirement does not necessarily mean that workers are no longer in the work force. "These women may classify themselves as retired, but many are continuing to work," Hill said. The trend in recent years is that the percentage of women working after age 55 has gone up, while the percentage of men working after that age has gone down.

Hill hypothesized that women continued to work because they needed the money. Studies show that women are 70 percent more likely to spend retirement in poverty than men.

Instead, what she found was that women with more education were more likely to stay in the work force after retirement age than those with less education. Also, women who had been employed more during their adult lives tended to work at older ages. This did not fit with Hill's original idea, because women with more education and work experience are likely to have a higher family income, pension plan and savings, in general, than those with less education and work experience.

She found evidence that women with more education and work experience worked more weeks at older ages. But apparently, they had more control over work hours than women with less education and work experience and they worked fewer hours per week as they got older.

Older female workers were found more in professional and personal service occupations where there are more flexible hours and fewer physical demands.

"While a low family income had some effect on women's employment at older ages, what I found was not what I expected," Hill said.

"As we search for ways to reform our current Social Security system, these results should be important, she said. "Policy makers must keep in mind that it is not primarily money that keeps older women in the work force. It's the flexibility and the type of job offered to them," Hill said.

National Science Foundation Career award goes to Simpson

Timothy W. Simpson, assistant professor of mechanical, industrial and manufacturing engineering, has received a five-year grant from the National Science Foundation's Faculty Early Career Development program.

The program is designed to help scientists and engineers develop their research and teaching simultaneously as their careers get under way.

Simpson's National Science Foundation research will focus on ways that computer simulation and optimization can be used to improve design efficiency and effectiveness when developing a new product family. He will study how three Pennsylvania companies — Durametal Corp., Flowserve Corp. and

Ivalo Lighting — design families of products based on a common set of components known as a product platform. He then will develop computer models that determine the best set of common and unique components within a product family.

Simpson will examine how these companies let consumers customize a product platform online and will explore ways of



Timothy Simpson

using the Internet to provide customer interaction and improve customer satisfaction.

Simpson will integrate projects related to his research into courses he teaches in product design, product dissection and concurrent engineering.

Simpson joined the University faculty in 1998 with a dual appointment in the Harold and Inge Marcus Department of Industrial and Manufacturing Engineering and the Department of Mechanical and Nuclear Engineering. He earned a bachelor of science in mechanical engineering from Cornell University and a master of science and a doctoral degree in mechanical engineering from Georgia Institute of Technology.



Department of Public Information
312 Old Main, University Park,
PA 16802

Phone: (814) 865-7517

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Annemarie Mountz, editor

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Changes at University Park



New water lines were laid at the start of the project to construct the HUB Plaza between the HUB-Robeson Center and Osmond Laboratory on the University Park campus. The project is expected to be completed at the end of summer semester.

Photos: Greg Grieco

HUB Plaza work begins; gates move

Major changes began over spring break for Pollock Road on the University Park campus. As outlined in the University's Campus Master Plan, the entire area between the HUB-Robeson Center and Osmond Laboratory is to be converted into a pedestrian-friendly plaza with enhanced landscaping, a water feature and restricted vehicular access.

Another project also got under way as spring break began. As part of the construction for the Information Sciences and Technology Building, the Lion Gates at the Pollock Road-Atherton Street intersection on the University Park campus were relocated one block, to the intersection of Pollock Road and Burrowes Road. That process began Feb. 28.

The original roadway and adjoining areas in front of the HUB-Robeson Center are being torn up and will be replaced with brick pavers similar to those behind Old Main. The entire area will be transformed into a shaded mall with new seating. The project is not expected to be completed until the end of summer semester.

Initial staging for Phase I of the new HUB Plaza project began Friday, March 1, and will last until the end of March when Pollock Road will be temporarily reopened until after commencement.

From the end of March to May 13, Pollock Road will be paved only with street gravel, since major plaza construction begins immediately after commencement.



The Lion Gates, a gift of the Class of 1903 that stood at the intersection of North Atherton Street and Pollock Road, were moved one block east to the intersection of Pollock and Burrowes roads. For more photos, check the Web at http://www.psu.edu/ur/archives/intercom_2002/gates/index.html.



Intercom

INFORMING THE PENN STATE COMMUNITY

MARCH 21, 2002

THE HISTORIES OF PENN STATE

From pickles to pilots to Penn State, oh my!

Penn State Harrisburg grew to meet varied community needs

Editor's note: Most people know the history of Penn State as that of a school chartered in 1855 at the request of the Pennsylvania State Agricultural Society to apply scientific principles to farming. Since that time, Penn State has grown from that one campus at University Park to 24 locations statewide, and each of those other locations has its own history. Throughout this academic year, Intercom plans to highlight those histories.

By VALERIE DUHIG
Penn State Harrisburg

In the late 19th century, the land on which Penn State Harrisburg presently stands was known in Middletown as "the pickle farm." The H.J. Heinz Co. owned it and shipped the cucumbers and other vegetables to its Pittsburgh processing facility. Part of the land became an army camp during the Spanish-American War. In 1917, ground was broken for an Army Air Corps field, which still later became Olmsted Air Force Base.

The Olmsted Building opened in 1960, an Air Force administrative center for an area encompassing 11 states and seven nations. When the University took over the land, its military history was interwoven, as is evidenced by the names of the buildings and roads. Olmsted itself was named for Lt. Robert Olmsted, an aviation pioneer killed in 1923 when his hot-air balloon was struck by lightning in an international race over Holland. A huge building with 189,000 square feet of usable space, it originally housed almost all functions of the college: administrative, instructional and academic.

The Air Force built modest duplex homes to house married officers and named them Meade Heights. Now, 292 resident students are waiting avidly for the new residence halls, with 72 four-single-bedroom apartments to open in fall 2002.



Students at Penn State Harrisburg participate in a bathtub race in this undated archive photo. The first class at the campus, in September 1966, had 18 undergraduate and 165 graduate students, with an initial faculty of eight instructors.

The new halls are designed architecturally to complete a college "green," a focal center for the campus to include buildings built after the last "Taps" were heard over the land and the Air Force departed: the Science and Technology Building and its new addition; the Campus Bookstore; and the Capital Union Building with recreation and fitness facilities. The new 115,000-square-foot library opened in 2000, underscoring the physical evolution of the campus.

The two residence halls, Church and Wisberg, named for pilots killed in 1960 when their C-123 crashed during a test flight in York County, served as enlisted men's dormitories and were then used for students until resident students were moved to Meade Heights. Church Hall

was renovated and now houses the Institute for State and Regional Affairs, site of the State Data Center (established in 1981 by Executive Order of the governor to be Pennsylvania's official source of population and economic statistics); and the centers for Survey Research; Economic Research and Training; Geographic Information Services; Quality of Working Life; and the Program to Improve State and Local Government.

The Educational Activities Building was the base's bachelor officers' quarters, became married student housing and was renovated to provide space for Continuing and Distance Education and additional classrooms.

History, page 2

Room and board rates are set for 2002-03

By TYSEN KENDIG
Public Information

Washington, D.C. — The Board of Trustees approved room and board rates on March 15 for the 2002-2003 academic year. The new rates are effective for the 2002 fall semester at all of Penn State's residential campuses.

Room charges for an undergraduate student living in a standard double room — the most typical living arrangement at the University — will increase by \$115 per semester, from \$1,340 to \$1,455. The cost for meal plan three — the most common plan of 12 to 13 meals per week — will increase by \$65 per semester, from \$1,310 to \$1,375.

Rates, page 3

Faculty, staff can be resources for students who are in distress

By ALLISON KESSLER
Public Information

A student sits crying quietly at the back of the classroom. A student's grades fall dramatically over a short period of time. A student comes to office hours to discuss matters other than course work.

Are these students simply having a bad day, or are they in need of help?

It isn't always easy to identify students who are struggling with more than just their grade point averages, let alone point them in the right direction for help. But the Center for Counseling and Psychological Services (CAPS), which sees more than 2,000 students annually,

CAPS, page 3

History

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The military leitmotif of the land spanned the period from the Spanish-American War through both world wars to the Cold War, when Olmsted was in "The Doomsday Blueprints," according to an article that appeared in *Time* magazine on Aug. 10, 1952. The article described how in the mid-1950s, an elite unit of helicopter pilots and crew, the 2857th Test Squadron, posing as an area rescue team, staunchly hid its real mission—to rescue the president in the event of a nuclear attack. They were to pluck the president and first family from the nation's capital and fly them to a safe haven. The helicopters were equipped with decontamination kits, crowbars and acetylene torches to break through the walls of the presidential bunker beneath the White House.

The continuing fluidity and adaptability of the campus reflect the startling originality of its inception, beginning as part of a University whose overarching mission as a land-grant institution has been commitment to dynamic response to the needs of its communities. While this mission is reflected in each of its locations throughout the Commonwealth, no better example of this can be found than in the history of the Capital College, begun in 1966 in what then-President Eric Walker called, "A striking example of a pragmatic response to a fluid situation." This fluid situation was the result of three significant occurrences preceding the founding of the Capitol Campus.

First, in 1963, the Pennsylvania Community College Law was established, creating an affordable, accessible route to higher education for high school seniors whose options did not include matriculation at traditional four-year colleges. Thus was a large population of students created who had completed the first two years of college



This is a view of the Penn State Harrisburg campus as it appears today. The campus merged with Penn State Schuylkill in 1997 to become the Penn State Capital College.

and who wanted a baccalaureate degree.

Then, in 1964, former Defense Secretary Robert McNamara gave official announcement that the Olmsted Base in Middletown would be closed. A major employer in the region, its loss threatened the entire economic climate. Also in 1964, the Harrisburg Area Community College (HACC), a trendsetter in higher education, had just opened as the first public community college established after the Community College Law. HACC was strongly supported by the community, and competition with that college was identified as a no-win situation.

Lastly, in 1965, the newly created State Board of Education was developing a master plan for higher education, recognizing competition between the new community colleges and the existing University campus system, which had burgeoned in the previous two decades. The plan predicated

a greater need for graduate and professional studies in the commonwealth. At that time, the University had no stated intention of establishing any additional units, nor was an upper division college envisioned. The University was already cooperating with four other institutions through the Harrisburg Area Center for Higher Education, with graduate studies provided through the Susquehanna Valley Graduate Center, another consortium, whose students transferred to Capitol the next year.

Then-Gov. William Scranton appealed to President Walker ("in anguish," as Walker recalled) to explore establishing a Penn State presence that could be situated on the now-defunct Air Force Base to aid the area economy, offering the University 178 acres of the land and its 16 existing buildings. It took the University only one month to develop an internal report recommending that the new institution take the form of an upper division college combined with a graduate school; by the end of that month, the proposed structure of the present college had been identified, and the Capitol Campus was endorsed by the Board of Trustees in January 1966.

The original strongly interdisciplinary structure emphasized the ties among social and basic sciences, technology, humanities and other disciplines, and organized the academic programs into three divisions: Engineering and Technology; Humanities, Social Sciences and Education; and Administration, Business and Regional Planning.

In 1980 the present structure was reorganized to reflect the current five schools (Behavioral Sciences and Education; Humanities; Science, Engineering and Technology; Public Affairs; and Business Administration) and the library division.

Even then, other colleges and universities around the state were casting glances askance at the University, which already had 20 campuses. Scranton acknowledged fears

Harrisburg at a glance

- Madlyn L. Hanes, provost and dean
- 218-acre suburban campus located eight miles east of Harrisburg in Middletown
- Total enrollment of more than 3,200
- 150 full-time, 90 part-time/adjunct faculty
- Student/faculty ratios of 19 to 1, undergraduate; 14 to 1 graduate
- 27 baccalaureate, 19 master's, two doctoral programs
- Two centers in downtown Harrisburg

about legislative favoritism for a Penn State presence at the seat of government, and insisted the new college be called "Capitol," rather than "Capital," indicating that "Capitol" is only a building, while "capital" is where the government (power) is located.

The first class, consisting of 18 undergraduate and 165 graduate students, arrived on campus in September 1966 to work with an initial faculty of eight instructors. The graduate students came from the Susquehanna Valley Graduate Center, which the University had joined a year before to respond to the area need for graduate and professional studies. In June 1968, 12 students, the first to receive Capitol Campus diplomas, traveled by bus with then-Director Coleman Herpel and a handful of faculty and staff to Beaver Stadium to receive their diplomas.

The Susquehanna River, which flows at a remove from the campus, is beautiful, but topographical, geological and climatic conditions make it treacherous at times. In 1972 Hurricane Agnes hit Central Pennsylvania, causing the worst flooding in its history. Although Capitol was spared, the campus became a refuge for more than 1,000 displaced people; almost every level surface was used as sleeping quarters. Seniors chose instead of a graduation ceremony to spend their time working with other students, faculty and staff to assist the newly homeless. Eventually trailers were brought in and were placed in front of Olmsted, where 100 families lived for almost a year in what they affectionately called "Flood Village."

In 1989 the Penn State Downtown Center, directly across from the Capitol Complex, opened, making the University's educational and research services more convenient to legislative offices, government agencies and the general public. In 1991 the college opened the Eastgate Center, a second outreach facility, with classrooms, a computer lab and other resources within walking distance of the Capitol.

In 1997 in a University-wide reorganization, Penn State Harrisburg and Penn State Schuylkill, 60 miles to the northeast, merged to become the Capital College, opening new opportunities to address economic and educational needs of both locations.

Valerie Duhig can be reached at valduhig@psu.edu.



This archive photo shows an aerial view of Olmsted Building as it looked in 1969.



Mary Anne Knapp, right, from Counseling and Psychological Services, conducts a session of "Students in Distress." The session is available to faculty and staff.

Photo: Greg Grieco

CAPS

Continued from page 1

hopes to make it easier for faculty and staff to reach out to students who might need more than a tutor.

The workshop — Students in Distress — available through Health Matters in the Office of Human Resources, describes the important role faculty and staff can play in identifying and referring students who experience emotional distress or academic difficulties due to psychological or behavioral problems. The program, developed and facilitated by CAPS, takes a close look at symptoms of students in distress; guidelines and language for intervention; available counseling services for students; and referral and follow-up methods.

"Many departments send several members to these workshops," said Dennis Heitzmann, CAPS director. "They might have some experience in recognizing a problem, or already may have experienced a situation and want to be prepared for the next time something similar happens."

A key component of the workshop is promoting an awareness of the available counseling services available to students on campus, Heitzmann said.

"A professor may observe a student do great work, but then run into problems. They come to these workshops seeking other ways to assist," Heitzmann said. "Faculty and staff are the gatekeepers for our services."

Those services are broad. The center sees students for a number of different problems, spanning from mild disorders such as depression; circum-

stantial problems such as a relationship break-up; and other problems such as eating disorders. Staffed with psychologists, a psychiatrist, psychiatric nurse practitioners, social workers and specialized therapists, CAPS is prepared to address a wide array of situations.

Visiting students head to the second floor of the Ritenour Building for an initial consultation. Here, they have the opportunity to tell their stories, and express in confidence what it is that is troubling them at the moment.

"Sometimes the problem is a clear-cut situational problem," Heitzmann said. "However, presenting concerns run the gamut from clear and circumscribed to amorphous mood states."

Upon the conclusion of the initial consultation, CAPS staffers decide if and what type of further action needs to be taken to best help the student. Sometimes only a couple more visits are needed to alleviate the student's problem, or a referral to the community for more intensive or longer-term therapy may be merited. Often, students find group therapy best suits their needs.

CAPS offers more than 50 groups annually, among the longest list of group offerings of any university center in the country.

Groups persist in being a favored form of therapy among students.

These help sessions include groups addressing topics of graduate students and returning adults, women, eating disorders, sexual assault recovery, relationships between men, stress

reduction, family issues, substance dependence, depression and biracial issues, among others.

"Students often find they can learn from one another, which helps them to learn about themselves," Heitzmann said. "These therapy groups recognize that fundamentally we're more alike than we are different. You look around and it appears that everyone else is doing just fine. The reality is, however, that everyone, from time to time, encounters difficulties that could interrupt their lives or present unique challenges. The groups inspire you to believe that there are solutions to life's problems. Group therapy is the crucible to change."

In times of high-profile, traumatic events, such as the September terrorist attacks, CAPS raises its visibility to further a notion of hope. When a situation arises, the center sets up stations in common areas like the HUB-Robeson Center, where any scared or upset student can come to talk.

"CAPS recognizes that because of the potential for emotional overload, there are times when a student's ability to adapt or engage in corrective action will be impaired," Heitzmann said. "We can help students work through their problems more efficiently than they might without this resource. Consider us a tool or resource that they can use. We're plugging them into their own resources — resources that faculty and staff can help students find."

Allison Kessler can be reached at
ack143@psu.edu

Rates

Continued from page 1

For the 2002-2003 year, these increases bring the average annual room and board cost to \$5,660, an increase of 6.79 percent or \$360 over the previous year — a large portion of which is needed for an ongoing \$50 million sprinkler installation project in all residential units over the next several years, new undergraduate and graduate housing, and upgrade and maintenance of existing residence complexes at University locations statewide. The increase is smaller than the room and board cost hike in 2001-2002, which totaled 7.9 percent.

"Housing and food service operations at Penn State are entirely self-supporting, and not subsidized with tax dollars," said Tom Gibson, assistant vice president for auxiliary and business services. "In addition to keeping pace with rising costs, these increases are necessary to support our accelerated program of renovations and safety improvements. Fire safety continues to be a primary concern, and we are devoting all available resources to this enormous project to ensure a safe learning and living environment for all of our students."

Penn State, with the largest residence hall system in Pennsylvania and one of the largest in the nation, currently operates 67 residence halls with 16,320 living spaces, and five apartment complexes totaling 1,600 units and covering approximately 4 million square feet. Undergraduate residence halls are located at University Park, Altoona, Beaver, Berks, Erie, Harrisburg, Hazleton, McKeesport and Mont Alto, while graduate housing is available at University Park, Erie, Harrisburg and Hershey. Nearly 18,000 students live in University residences at campus locations statewide.

Other housing rate changes specific to various campus living units include the following. All rates include utilities:

- Graduate residence hall rates for a standard double room at University Park with a meal plan will increase by \$120 a semester per person, from \$1,400 to \$1,520, while standard double rooms without a meal plan will increase by \$135 a semester per person, from \$1,545 to \$1,680. On-campus graduate students are not required to purchase a meal plan.

- Room rates for Nittany Apartments at University Park will increase by \$120 to \$145 per person, for a range of \$1,675 to \$2,055 a semester, depending on the type of apartment selected.

- Monthly rates for Graduate Circle Apartments will increase by \$10 to \$15 for a range of \$330 to \$630 month per unit, depending on the number of bedrooms and unit selected. Rates for the new West Campus graduate family housing will range from \$650 to \$850 a month per unit for one- to three-bedroom apartments. Single graduate student housing on West Campus will cost \$465 a month per person for a four-bedroom apartment.

- At the College of Medicine in Hershey, room rates for University Manor Apartments will increase by \$35 to \$80 per month for a range of \$625 to \$1,424 a month per unit, depending on the number of bedrooms and included furnishings and appliances, effective July 1.

- At Penn State Erie, apartment rates will increase by \$125, ranging from \$1,640 to \$1,765 per person each semester for two-person garden units.

- At Penn State Harrisburg, new four-bedroom apartments will cost \$2,100 per person per semester. New four-bedroom graduate apartments at the campus will cost \$465 a month per person.



Lectures

Stress management expert to discuss coping

Loretta LaRoche, stress management expert and author, will deliver the Penn State Forum lecture at noon Tuesday, April 2, at The Nittany Lion Inn on the University Park campus.

The topic of her presentation is "The Joy of Stress: Humor as a Coping Mechanism."

An international consultant and lecturer in the field of stress management, LaRoche is adjunct faculty of the Mind/Body Medical Institute, an affiliate of Harvard Medical School.

The Penn State Forum is a lunchtime



Loretta LaRoche

speaker series offered by the Faculty Staff Club and is sponsored in part by the Penn State Bookstore. It is open to the public. Tickets are \$10 for members and \$12 for non-members and include lunch. Reservations can be made by mail or by stopping by the Faculty Staff Club office at 103 HUB-Robeson Center. Tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. followed by the speech and a question-and-answer session at noon.

For information call (814) 865-7590.

Series focuses on electronic resource sharing

The University Libraries are sponsoring the videoconference "A New Harvest: Revealing Hidden Resources With the Open Archives Metadata Harvesting Protocol" from noon to 2:30 p.m. Tuesday, March 26, in the Foster Auditorium, 101 Pattee Library, University Park.

The conference is the first in a series of three satellite videoconferences, "Steering by Standards," presented by the Online Computer Library Center (OCLC). The series is designed to help librarians and other information

professionals face the challenges of charting new organizational directions that incorporate emerging standards for electronic resource sharing.

Lorcan Dempsey, vice president of the OCLC Office of Research, is the host. The featured speaker is Herbert Van de Sompele, director of e-Strategy and Programmes at the British Library. The series is free to the public.

For information, call Judy Hewes at (814) 865-1755 or e-mail jh@psulias.psu.edu.

Symposium keynote address set for Friday

Patrick MacCarthy of the Colorado School of Mines will open the Fifth Environmental Chemistry Symposium with his keynote address at 4 p.m. Friday, March 22, in 26 Hosler Auditorium on the University Park campus.

"Humic Substances — The Practical and Intellectual Challenges" is his topic. Following the keynote, 37 posters will discuss topics ranging from the impact of volcanism on global carbon cycles to bacterial adhesion in porous media.

Starting at 9 a.m. Saturday, March 23, 12 presenters will explore areas ranging from

protection of plants from oxidative stress to zero-valent nanoparticle systems in 22 Deike. The symposium will conclude at 2 p.m. with MacCarthy discussing "Heterogeneity in Humic Substances — An Ecological Necessity?" in 22 Deike.

The event is free to the public. A complete schedule for the symposium can be found at http://www.essc.psu.edu/CECG_symposium/.

For information, contact Frank von Willert at (814) 863-7112 or frankvw@psu.edu and Courtney Turich at (814) 865-7965 or cturich@geosc.psu.edu.

Scientist who read human genome to speak

J. Craig Venter, scientist in biology and medicine, will speak at 8 p.m. Monday, March 25, in Schwab Auditorium on the University Park campus.

Venter's appearance is part of the University's Distinguished Speakers Series. The event is free to the public, but tickets are required. Tickets are now available at the Eisenhower box office. Limited tickets may be available the night of the speech.

Venter was the first scientist to read the



J. Craig Venter

entire genetic code, the genome, of a living organism. As president and chief scientific officer of Celera Genomics Group and the founder chairman of the board and former president of The Institute for Genomic Research, he made world headlines last year when Celera announced it had deciphered the entire genetic code of a human being, which holds the key to important drugs and treatments for disease.

Reading, reception celebrate Public Poetry Project

The second annual "An Evening of Pennsylvania Poets: Readings in Celebration of the Public Poetry Project" will be held from 7 to 8:30 p.m. March 28 in the Lawrence G. and Ellen Foster Auditorium, 101 Pattee Library, University Park.

A reception in the Charles W. Mann Jr. Assembly Room, 103 Paterno Library, immediately follows the event.

The poets include the Pennsylvania Center for the Book Best Unpublished Poet in

Pennsylvania winner Margaret Almon of Lansdowne, Deborah Burnham of the University of Pennsylvania, Maurice Kilwein Guevara of Indiana University of Pennsylvania and Elizabeth Scroggin of Messiah College.

The readings and reception are free to the public.

For information, visit <http://www.pubbook.libraries.psu.edu> or call Steven L. Herb at (814) 865-0401 or e-mail slh18@psu.edu.

History, future of space travel to be explored

Peter R. Cavanagh, distinguished professor of kinesiology, medicine, orthopedics, and rehabilitation and biobehavioral health, will present "A History of Humans in Space: The Politics, the Science and the Social Context" at 11 a.m. Saturday, March 30, in 100 Thomas Building on the University Park campus.

The event is free to the public.

Cavanagh, director of the Center for Loco-

motion Studies, uses music, images, voice recordings and video on four screens to illuminate the chronological presentation.

James A. Pawelczyk, assistant professor of kinesiology and physiology, and a payload specialist on the Space Shuttle Columbia in 1998, will introduce Cavanagh. Attendees will have an opportunity to meet both scientists and ask them questions during the informal reception that follows.

Diversity issues topic of upcoming conference

Diversity in the workplace will be one of the many issues discussed at the Third Annual S.T.A.R.T. Conference to be held Saturday, March 23, at University Park.

Undergraduates in The Smeal College of Business Administration organize the Striving Toward Awareness and Respect for Tomorrow event. This year's theme is "One Puzzle, Many Pieces."

The conference includes several workshops and information sessions, as well as a keynote address. In addition to providing students with the foundation to gain insights into the corporate world, the organizers hope the event will introduce attendees to issues regarding diversity in the workplace.

For information on the event or to register, e-mail start@www.smeal.psu.edu.

Filmmaker to discuss look at prison company

Filmmaker Ashley Hunt will discuss his debut feature film, "Corrections," at 12:15 p.m. Tuesday, March 26, at Penn State Lehigh Valley, and at 6 p.m. at Perkins Student Center, Penn State Berks.

The film examines the Corrections Corp. of America, a company that builds

and manages private prisons. The event is part of the ongoing Learning Community: Prison Project.

The event is free to the public. For information, call the Lehigh Valley campus at (610) 285-5000 or the Berks campus at (610) 396-6000.

Technology helps map vintage trade routes

The University's Center for the History of the Book and the Pennsylvania Center for the Book are sponsoring the lecture "How to Map a Book: William Anderson's London Commercial Dictionary and Sea-Port Gazetteer (1826)" at 4 p.m. Monday, March 25, in the Charles W. Mann Jr. Assembly Room, 103 Paterno Library, University Park.

Deryck W. Holdsworth and Hank Rademacher of the Department of Geography will discuss how, using today's computer technology, a book historian can create maps based on information in Anderson's book.

The lecture is free to the public. For information, call James L. W. West III at (814) 863-7551 or e-mail jw14@psu.edu.

Speaker looks at feminist theory in German novel

The Comparative Literature Luncheon, a weekly informal lunchtime gathering of students, faculty and other members of the University community, has announced the next speaker in this semester's series.

The events begin with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy some-

thing in Kern Cafeteria. Coffee and tea are provided. The speaker will begin at about 12:40 p.m. The events are free to the public.

Cecilia Novero, assistant professor of German, will discuss "Spinning the Text: Di meets Feminist Theory in a Contemporary German Novel" on March 25.

For information, e-mail Daniel Walden at dwx8@psu.edu.



News in Brief

Videoconferencing open house

A videoconferencing classroom open house will be held from 1 to 4 p.m. March 27 at 210 Rider Building, II, University Park.

Representatives from the Office of Telecommunications and the Center for Education Technology Services will give demonstrations at 10 and 40 minutes past the hour, providing an overview of the equipment, the network system and the resources available to faculty interested in using the room. Guests will have the opportunity to try out some of the equipment that is available for classroom use.

For information, call (814) 865-8681 or visit the Web at <http://www.inov8.psu.edu>.

Roar for Wellness Fair

The third annual Roar for Wellness Fair will be held from 11 a.m. to 3 p.m.

Wednesday, March 27, in the Alumni Lounge of the HUB/Robeson Center on the University Park campus.

More than 35 exhibitors representing the seven dimensions of wellness (physical, social, spiritual, emotional, environmental, intellectual, occupational) will provide interactive and educational booths. Entertainment will include dance groups, magicians, an a cappella group, artists and others.

The event is the final class project for Kinesiology 492W, Programming for Businesses and Agencies.

For information, call (814) 865-1601.

Spring reception

The Commission on Lesbian, Gay, Bisexual and Transgender Equity will hold a spring reception and awards ceremony from 4:30 to 6:30 p.m. April 26.

The event is free to the public.

For information or to RSVP, call (814) 863-7679 or e-mail kmr3@psu.edu.

Mentor program seeks applicants

The Commission for Women invites all

full-time University faculty, staff and technical service employees to apply to participate in its Mentoring Program for the 2002-2003 academic year.

The program promotes professional and personal development by connecting employees with others who can advise them on work-related issues such as career planning, job skill enhancement and University involvement. Employees can apply to be a mentor or protégé, depending on their needs and goals.

Those interested should fill out a brief application and submit a one-page cover letter explaining what they hope to get out of the program. Applications are available in the Commission for Women office, 311 Grange Building, University Park, or on the Web at <http://www.lions.psu.edu/cfw>. The deadline for applications is Friday, April 26.

Efficiency tips sought

Finance and Business's Expenditures and Operational Efficiency Team wants to hear suggestions for changes that will result in saved time, resources or money.

E-mail expenditures@psu.edu with ideas and suggestions about ways to improve work practices, improvements and cost savings. Include name and work address to enable the committee to acknowledge the idea. Anonymous suggestions may be mailed to Expenditures, 105 Procurement Services Building, University Park, PA 16802.

For information about the Expenditures and Operational Efficiency Team, go to <http://www.expenditures.psu.edu/>

For the Record

A leave of absence was recently approved for Kathleen L. Lodwick, professor of history on the Lehigh Valley campus of Berks-Lehigh Valley College. Lodwick's campus was misidentified on page 8 of the March 14 issue of Intercom.

The project will build upon the Department of Humanities' tradition of incorporating the arts into the health-care environment. For nearly 20 years, the department has been recognized for a variety of projects that incorporate the arts into healing.

Wikoff's staff also will involve consultation with Arts and Health Outreach Initiative partners. The initiative, a three-year pilot interdisciplinary collaboration, is partnering to help sponsor Wikoff's visit to Hershey.

For information, call Cheryl A. Delasega at (717) 531-8680 or e-mail cdelasega@psu.edu.

Gubernatorial candidate Rendell to visit campus

Edward Rendell, Democratic candidate for governor of Pennsylvania, will make the University a stop on his campaign tour at the invitation of faculty and staff.

Rendell will participate in a candidate's forum, co-sponsored by the Faculty Senate and Faculty/Staff Club, from 4 to 6 p.m. Sunday, March 24, in the Faculty/Staff Club room of The Nittany Lion Inn, University Park.

In addition to playing host to Rendell, organizers have extended invitations to fellow gubernatorial candidates Robert Casey Jr. and Mike Fisher to participate in candidate forums in the near future.

"The purpose of the candidate's forum is to foster a dialogue among candidates that deals with issues affecting higher education," said Jean Landa Pytel, president of the Faculty/Staff Club. The Faculty Senate and Faculty/Staff Club both believe Penn State, as the flagship institution of Pennsylvania, is the ideal location for such a forum, and we hope to give all candidates an equal voice to discuss their views on the issues affecting colleges and universities in the commonwealth.

The candidate's forum is free to the University community. Refreshments will be served.

Faculty Senate to discuss several reports

The University Faculty Senate will meet at 1:30 p.m. Tuesday, March 26, in 112 Kern Graduate Building, University Park. Items to be discussed include:

- Schreyer Honors College, revision of Senate policy — legislative report; eligibility for admission and retention; participation, advisement and research experience; honors credit requirements; and advisory committees;

- Class attendance, revision of Senate policy; legislation acknowledges that students miss classes for legitimate but unavoidable reasons;

- Incorporation of UniSCOPE (University Scholarship and Criteria for Outreach and Performance Evaluation) model into the promotion and tenure dossier — advisory and consultative report; presents each of the three mission areas of the University — teaching, research and service, as a continuum of scholarship. The report proposes the revision of the promotion and tenure dossier (the rainbow dividers) to reflect the expanded definitions of scholarship;

- Institutional licensed software distribution program — informational report; computer software utilization and the opportunities for cost savings and upgrade protection;

- Faculty salaries report, external comparison: emphasizes comparisons of Penn State faculty salaries with those at other universities;

- Report of academic eligibility and athletic scholarships for 2000-01 — informational report; NCAA graduation rankings, academic all-conference standings and numbers

of athletes screened for eligibility;

- Report on University research expenditures for research and development, and a review of new initiatives to strengthen activity in the life sciences and other interdisciplinary areas;

- Student use of Web vs. printed materials: presentation of recent Pulse surveys of students' use of the Internet and Web-based services;

- Grade distribution report: annually examines presenting grades for baccalaureate and associate degree students by college, location and semester grade point average, will also include discussion of a modest upward trend in grades; and

- Nominating committee reports: standing joint committee on tenure, University promotion and tenure review committee, faculty rights and responsibilities; Senate officers: chair-elect, secretary, and faculty advisory committee to the president; nominations also may be made from the floor of the Senate.

Members of the University community may attend. Any member of the University community who is not a member of the Senate may request the privilege of the floor on any item of business already before the Senate. Such a request must be made to the chair, through the executive secretary of the Senate, at least four calendar days before the meeting at which the individual wishes to speak.

For information on how to submit major, minor, option or course proposals, the "Guide to Curricular Procedures" is available on the Web from the Faculty Senate home page at <http://www.psu.edu/ufsf/>.

OBITUARIES

Mahlon S. Brooks, mechanical/electrical designer in Office of the Physical Plant, from Aug. 1, 1961, until his retirement April 1, 1976; died Jan. 4, at the age of 85.

Rose C. Ishler, food preparer A in Housing and Food Services, from Sept. 15, 1961,

until her retirement Jan. 1, 1992; died Dec. 14. She was 79.

James L. Lutz, maintenance worker in Housing and Food Services, from Jan. 1, 1964, until his retirement July 1, 1976; died Jan. 16, at the age of 91.

Visit marks launch of arts-in-medicine project

Naj Wikoff, president of the Society for the Arts in Healthcare and director of the Healing and the Arts Program at the C. Everett Koop Institute and Dartmouth Medical School, will visit the College of Medicine on March 25-26.

Wikoff, a sculptor and director of the Adirondack Film Society, is visiting to help launch the "Hershey Arts-in-Medicine Project" developed by first-year medical students to explore and introduce the concept of arts and healing to medical center patients, staff and families. Anne Hunsaker Hawkins, professor in the Department of Humanities, is the faculty adviser.



Appointments

Chairman named for Smeal's Department of Accounting

Dan Givoly, an authority on accounting and financial reporting, will become the new chairman of the Department of Accounting in The Smeal College of Business of Administration.

Givoly is professor of accounting at the University of California at Irvine's Graduate School of Management and a former chairman of the Financial Standards Accounting Board in Israel. He will assume his new duties at the beginning of the coming academic year.

Givoly has been a faculty member of

Northwestern University, Columbia University, Carnegie-Mellon University and a faculty member and chairman of the Accounting Department at Tel-Aviv University.

Givoly's research areas include the effects of financial disclosure on stock prices and the quality and information content of accounting numbers.

Givoly holds a doctoral degree in business administration from New York University and a master of business administration from Tel-Aviv University.

Associate dean named in College of Agricultural Sciences

Bruce McPherson, professor of entomology in the College of Agricultural Sciences, has been named associate dean for research and graduate education and director of the Pennsylvania Agricultural Experiment Station.

McPherson's research in insect molecular ecology has focused on population genetics, the genetics of insecticide resistance and the genetic history of insect incursions into new geographic areas.

McPherson has taught undergraduate and graduate entomology courses and has mentored 15 graduate students and four postdoctoral scholars.

McPherson joined the University in 1988 as an assistant professor of entomology. He became associate professor in 1994 and attained the rank of full professor in 2000.



Bruce McPherson

Since 2000, he also has served in an administrative role while on special assignment in the Office of Research and Graduate Education, where he has addressed issues of intellectual property management; federal, state and university accountability; and industry relations.

Before coming to the University, McPherson was a post-doctoral researcher at Louisiana State University, a teaching assistant at the University of Illinois and a county extension agent for 4-H and youth development in Clermont County, Ohio.

He earned a bachelor's degree in agriculture with a concentration in entomology from Ohio State University. He received his master's degree in biology and his doctorate in entomology from the University of Illinois.

Several new staff members added to Smeal College

Several additions have been named to The Smeal College of Business Administration.

Brian Barton is director of marketing; and Michele "Mitch" Kirsch is the director of admissions in the MBA program. J. Edward Ketz is now interim managing director of the MBA program and Robin Stevens was promoted to director of corporate relations after serving as interim director since July 1.

As director of marketing, Barton's primary responsibilities will include developing and executing the overall marketing strategy for Smeal College. His background includes 15-plus years of corporate marketing experiences with companies such as Procter and Gamble, Nestle, Rubbermaid and a B2B Internet startup.

Kirsch will join the college effective March 18. For the past five years, she has served as the assistant director of admissions and customer services for the University's Undergraduate Admissions Office. Before that, she was the director of admis-

sions and financial aid at Indiana University's Graduate School of Business. She also served as assistant director of the school's MBA program. Kirsch received her bachelor of arts from Westminster College, her master's degree from Indiana University and her doctoral degree from Drake University in Des Moines.

Ketz, faculty director of the MBA program, is the interim managing director of the program. He is associate professor of accounting.

In her role as director of corporate relations, Stevens is primarily responsible for creating and maintaining multifaceted strategic relationships with corporations to benefit the goals of the college and create linkages between corporations, students and faculty. Her responsibilities involve the management of three areas: the Internship Program, the Office of Student Organizations and the Corporate Associates Program. She also serves as director of internships and cooperative education.

Director of state relations appointed in Government Affairs



Michael DiRaimo

Michael DiRaimo has joined the Office of Governmental Affairs as director of state relations.

In his new role, DiRaimo represents the University in Harrisburg on a broad range of state issues. He monitors, interprets and analyzes legislative initiatives impacting the University.

DiRaimo reports to the special assistant to the president for governmental affairs.

DiRaimo received both his bachelor of arts degree and master's degree in history at Penn State. He has spent most of his career working in and around state government; first as a legislative aide in the state General Assembly, then as a lobbyist — most recently for the Pittsburgh Public Schools.

Before joining the University, DiRaimo headed new school development for a private education management company.

Lehrman to be new director of Office of Affirmative Action

Kenneth Lehrman III, director of the Office of Affirmative Action and Equal Opportunity at the University of Oregon, has been named the director of Affirmative Action and the Diversity Support and Education Center, effective July 1. He replaces Bonnie Ortiz, who retired.

Lehrman has served as the director of AAO/EO at the University of Oregon since 1993; before that, he was a human-rights investigator for the office from 1990 to 1993. In addition, he has served as a consultant to general counsel for review of affirmative action programs at the University of Utah and as a special consultant to the president for affirmative action for Lane Community College in Eugene, Ore.

At the University of Oregon, Lehrman participated in new-employee orientation, supervision training, sexual harassment training and Title IX compliance in intercollegiate Athletics. He also briefs all search committees on the principles of

affirmative action and equal employment opportunity. In addition, he worked closely with the Office of Multicultural Affairs, the Office of Services for Students with Disabilities, and served ex-officio on the Status of Women and the Lesbian, Gay Bisexual and Transgendered Committees to promote diversity in all areas of campus life.

A graduate of Louis E. Dieruff High School in Allentown, Lehrman earned a bachelor's degree in political science and a master's degree in public administration, both from University of Oklahoma, and a juris doctor degree in law and a doctorate in political science, both from the University of Oregon.

He also has been a tenured faculty member at Ithaca College, an adjunct faculty member at Russell Sage College and Southern Oregon State College, and has taught classes on constitutional law at the University of Oregon.

Penn State Abington gets director of professional internships

Carol-Anne Minski has been named director of professional internships at Penn State Abington.

This new internship office will serve students enrolled in the business, information sciences and technology, psychological and social sciences, and administration of justice bachelor's degree programs.

For the past three years, Minski worked as career development and internship coordinator at Penn State



Carol-Anne Minski

Delaware County. She also developed the Career Advancement Center at Penn State Great Valley and has taught management courses, career development courses and a variety of skills workshops for colleges and businesses.

Minski holds a bachelor's degree and a master's degree from the Philadelphia University and a master's degree from Arcadia University.

Debbie Hoy named news producer at WPSU radio station

Debbie Hoy has joined radio station WPSU as a news producer. The move is part of the addition of locally produced newscasts during the station's regular weekday program schedule. Hoy will be heard at 6:06, 7:06 and 8:06 a.m. during National Public Radio's "Morning Edition" program.

Hoy most recently was heard on State College AM station WRSC. She has worked

for radio stations in New York, Virginia, Maryland and New Mexico.

WPSU-FM can be heard at 91.5 in Central Pennsylvania, 106.7 in Altoona, 90.1 in Northern Pennsylvania, 100.9 in Bradford, 95.1 in Treasure Lake, 104.7 in Clearfield, 92.3 in Huntingtondon, and 92.1 in DuBois. WPSU can be heard online at <http://wpsu.psu.edu>.

University Awards 2002

The Faculty/Staff Recognition Awards Program luncheon will be at noon March 25 at The Nittany Lion Inn, University Park. The Student Awards recognition Program begins at 1:30 p.m. April 14 at The Penn Stater Conference Center Hotel, University Park.

George W. Atherton Award honors 4 for excellence

Four University faculty members will receive the 2002 George W. Atherton Award for Excellence in Teaching. They are: Annie McGregor, associate professor of theatre, University Park campus; Ivan A. Shibley, assistant professor of chemistry, Penn State Berks campus; Robert Szymczak, associate professor of history, Penn State Berks campus; and Linda Woodbridge, professor of English, University Park campus.

The George W. Atherton Award for Excellence in Teaching, named for the seventh president of the University (1882-1906), honors excellence in teaching performance at the undergraduate level. Recipients must have been full-time members of the faculty for at least three years, have undergraduate teaching as a major portion of their duties, and have the rank of assistant professor, associate professor or professor.

McGregor, who teaches close to 700 undergraduates each semester in her Theatre 100 class, always manages to create a small-class atmosphere. She is honored for her ability to conduct in-depth discussions

that engage and hold the interest of her entire class.

McGregor, who arrived at the University in 1996, received her master of arts in 1987 and doctoral degree in 1989 in the theatre, both from the University of Oregon.

Shibley, who has been at Penn State since 1996, is passionate about both chemistry and pedagogical pursuits. Winner of Adviser of the Year and Outstanding Teacher of the Year awards at the Berks Campus, he exemplifies the teacher who integrates his love of learning and research into the classroom setting.

He treats his students as friends, as Shibley learns each of his students' names early in the semester. One particularly effective educational tool this chemistry educator utilizes is the Newspaper Readership Program. As Shibley



Robert Szymczak



Linda Woodbridge



Ivan A. Shibley

ley's students and colleagues have noted, his use of newspapers in the classroom helps students apply course materials to events in everyday life, thereby enhancing their lifelong learning process.

Shibley received his doctoral degree in biochemistry at East Carolina University.

Szymczak joined the University in 1982, teaching first at the Mont Alto campus then moving to the Berks campus where he has shared his love and enthusiasm for history and teaching since 1983.

Teaching is Szymczak's life and he says

there is nothing he'd rather do for a living. His career, in fact, has brought history to his students in ways that profoundly affect not only their understanding of the subject, but also their understanding of themselves.

Szymczak has received the Beaver Campus Excellence in Teaching Award an unprecedented three times, as well as the Commonwealth College Teaching Award.

Szymczak received his doctoral degree in history from Carnegie Mellon.

Since joining the University Park faculty in 1994, Woodbridge has become known for her skill in encouraging class participation. An internationally known Shakespeare scholar, Woodbridge's students clearly believe that her English courses are valuable parts of their education.

Undergraduate students recognize her teaching ability as they praise her courses and constantly recommend them to other students.

She received her doctoral degree from UCLA.

Faculty Scholar Medals recognizes 5 for their research

Five professors will receive 2001-2002 Faculty Scholar Medals for Outstanding Achievement.

Gary S. Cross, professor of European history, will receive the Arts and Humanities Medal; Soundar Kumara, professor of industrial and manufacturing engineering, will receive the Engineering Medal; John C. Collins, professor of physics, will receive the Physical Sciences Medal; Gary H. Perdew, professor of veterinary science, will receive the Life and Health Sciences Medal; and Karl M. Newell, professor of kinesiology, will receive the Social and Behavioral Sciences Medal.

Established in 1980, the award recognizes scholarly or creative excellence represented by a single contribution or a series of contributions around a coherent theme. A committee of faculty peers reviews nominations and selects candidates.

Cross will receive the award for his contributions to the understanding of American consumerism as exhibited in his recent books, *Kids' Stuff: Toys and the*

Changing Worlds of American Childhood (1997, Harvard University) and *An All-Consuming Century* (2000, Columbia University Press). His work illustrates how consumer habits have changed throughout the 20th century, influenced by American materialism and how this had changed who we are and what we believe.

He received his bachelor of arts in 1968 from Washington State University, his master of divinity degree in 1972 from Harvard University and his master of arts and doctoral degree in 1973 and 1977 respectively from University of Wisconsin-Madison.

Kumara is recognized for his fundamental contributions to the field of intelligent systems; for developing novel signal representation and fusion techniques in process monitoring and diagnosis; for proving the existence of chaos in machining processes;



Gary S. Cross



Soundar Kumara



John C. Collins



Gary H. Perdew



Karl M. Newell

and for his work in multi-agent systems for logistics and information warfare. His research led to new paradigms including Intelligent Integrated Diagnostics, Precursor Failure Index for tracking the evolution of faults in manufacturing systems and emergent behavior analysis in logistics planning. His work in information warfare includes implementing the National Infrastructure Emergency Warning System at the U.S. Army War College.

Kumara is a professor in the Industrial and Manufacturing Engineering Department, which he joined in 1986 as assistant

professor. He also has affiliate appointments with School of Information Sciences and Technology and the Computer Science and Engineering Department.

Collins is recognized for his path-breaking theoretical work on factorization theorems, calculations that guide the analysis of high-energy physics research into the interactions of subatomic particles. His ability to find ways to mathematically separate incalculable, but universal and measurable, quantities from calculable quantities

W. LAMARR KOPP INTERNATIONAL ACHIEVEMENT AWARDS

Preuss receives Kopp faculty award

May H. Preuss, associate professor of Spanish and comparative literature at Penn State McKeesport, has been chosen to receive the W. Lamarr Kopp Faculty International Achievement Award.

This award recognizes faculty members who have made vital contributions to the University's international mission.

Preuss, a specialist in Mayan and Latin American culture and language, has been at the forefront of efforts to preserve traditional oral Mayan literature and make it available to English- and Spanish-speaking audiences. Besides her contributions as a prolific author, editor and translator, she helped establish the Latin American Indian Literatures Association, of which she is currently serving as presi-



May Preuss

dent. Her work in this organization has increased the visibility of her field of study and has resulted in international symposia and published collections of the presentations.

Preuss has edited the Latin American Indian Literatures Journal since 1984. Her travels in Latin America and her research have exposed students to both the ancient civi-

lization of the Mayas and their descendants' lives and culture. Most recently, she created a service-learning component to her Comparative Literature 108 class, in which the students learn to preserve local American Indian stories and traditions. A former student testified to how she "opened his eyes to the vast diversity of the world and its people."

Staff achievement award goes to Brewster

Karen L. Brewster, administrative assistant in the Department of Physics, Eberly College of Science, is the recipient of the W. Lamarr Kopp International Achievement Award.

This award honors staff members who have contributed significantly to the University's mission of helping the international community.

Brewster is the administrative assistant for the Center for Gravitational Physics and Geometry in the Department of Physics. Her responsibilities include the planning, organization and coordination of the center's administrative functions, management of the center budgets, the center visitor program and the organization of international workshops and conferences. She served as the chairperson of the Staff Advisory Commit-



Karen L. Brewster

tee for the Eberly College of Science in 2000.

She recently served as chairperson of a staff Quality Circle team, which designed a Postdoctoral Information Guide for postdoctoral fellows and scholars in the Eberly College of Science, most of whom are foreign nationals. The informational packets and Web site developed by Brewster and

her team represent the only comprehensive guide for both the faculty who hire postdoctoral fellows and scholars, and for the postdoctoral fellows and scholars themselves at the University. This effort has been recognized in the Office of the Vice President for Research, which is seeking to use the Web site as a central information resource for the entire University.

Barash Award honors Katie O'Toole's service

Katie O'Toole, a producer/writer for Penn State Park Broadcasting, will receive the 2002 Barash Award for Human Service.

The award, created in 1975 by the family of the late Sy Barash, recognizes a full-time member of the faculty, staff or student body at University Park who has contributed most, apart from assigned duties, to human causes or public service activities in the Centre Region or the University Park campus. Barash, a Penn State graduate, was a State College businessman who was committed to humanitarian causes on and off campus.

O'Toole is honored for her leadership role and contributions to a wide variety of community organizations. For the past 15 years, she has been a committee member of the Second Mile and has served as a host family for a student in the Second Mile's ABC program. She was also a member of the inaugural board for the State College Area School District's Advisory Board for Private Fund-raising.

Since 1993, she has been active in the Houserville-Lemont Parent/Teacher Associa-



Katie O'Toole

tion, as well as coaching soccer and basketball teams in the Pioneer YMCA Leagues since 1994. In the 1980s, she was the moderator for the State College Area School District "Battle of the Books." More recently, she has moderated the Bob Burgess High School Leadership Institute, and for the past seven years, the Aim High Leadership Conference for young women.

At the United Way of Centre County, she has served on their communications committee, where she has written the scripts for the agency's radio and TV ads.

O'Toole has served on the Library Development Board of the University since 1993, currently as the board's chair, and helped to raise \$27 million for the University Libraries over the last four years. Recently, she joined the Friends of Schlus Memorial Library Board.

She is currently on the board of the Mid-State Literacy Council where she has helped plan and moderate the Spelling Bee, the council's largest fund-raising event. From 1995-1999, she served on the long-range planning committee of the Foxdale Retirement Village.

Distinguished Teaching Award goes to 2

Kevin P. Furlong, professor of geosciences, and H. Joseph Sommer III, professor of mechanical engineering, will receive the Milton S. Eisenhower Award for Distinguished Teaching.

The Milton S. Eisenhower Award for Distinguished Teaching recognizes outstanding efforts among tenured faculty who have been employed full time for at least five years with undergraduate teaching as a major portion of their duties. Milton S. Eisenhower, brother of former U.S. president Dwight D. Eisenhower, served as president of the University from 1950 to 1956.

Furlong has been an active proponent of science education reform both within his department as well as nationally and has become known for his creative teaching efforts. His success in the classroom seems to begin with his philosophy that science — specifically the application of geoscience research to societal issues — is not the restricted domain of specialists, but rather can and must be incorporated into the common knowledge of leaders and future decision-makers.

Furlong, who has been at the University since 1984, currently serves as director



Kevin Furlong



H. Joseph Sommer III

of the College and Earth and Mineral Science's EMS Environment Institute — Natural Hazards Center and is associate head of the department of geosciences for graduate education and research.

During spring break, Furlong led 14 University undergraduates to New Zealand to study earthquakes, faulting, landslides, volcanic eruptions and other geologic phenomena.

Sommer, known by his peers to give freely of his time to serve as a role model for students and colleagues, inspires others to learn by first modeling, then guiding with his characteristic patience, inquisitiveness, energy and comprehensive knowledge.

Currently professor in charge of graduate programs for the department of mechanical and nuclear engineering, Sommer joined the University faculty in 1980. In 1990, he co-founded ECSEL, a coalition of seven engineering schools funded by the NSF Engineering Educational Initiative.

He completed his doctoral degree at the University of Illinois, where he currently sits on the mechanical and industrial engineering advisory board.

Award for Administrative Excellence delivered to Althouse

P. Richard Althouse, University budget officer, has been honored with the Award for Administrative Excellence. The award is given annually to a faculty or staff member whose performance methods and achievements exemplify the highest standards of administrative performance.

Althouse's distinguished career at the University spans from his days as a mathematics student who played in the Blue Band in the mid-1960s to his current executive position as University budget officer, a role he's served since 1986.

In this position, Althouse is primarily responsible for assisting the president and other administrators in developing, implementing, monitoring and controlling the University's annual operating and capital budgets. He also

supports the University's strategic planning program, administers compliance with external reporting requirements, and develops institutional databases to provide internal and external reporting.

Althouse is recognized by colleagues at all levels for his superlative financial skills — a requirement for managing an overall University budget in excess of \$2.3 billion in 2001-2002. But, he is equally respected for his commit-



Richard Althouse

ment toward his staff, making open communication, professional development opportunities and reward and recognition initiatives a priority for all members of budget team. As a result, the budget office has enjoyed an extremely low turnover rate and maintained a high level of efficiency under his guidance.

In receiving this award, Althouse follows in the footsteps of his father, Paul, who came to Penn State as a freshman in 1934 and served as a faculty member in Agricultural and Biological Chemistry, vice president for resident instruction, and finally as provost of the University from 1968 to 1972. Paul M. Althouse was the first recipient of the Award for Administrative Excellence in 1970.

Maretzki wins Faculty Outreach Award

Audrey Maretzki, professor of food science and nutrition, has won the 2002 Award for Faculty Outreach.

The Faculty Outreach Award is endorsed by the provost and supported by the Coordinating Council for Outreach and Cooperative Extension and Outreach committee of the Faculty Senate.

Maretzki is founder of several continuing, award-winning, federal and state-funded outreach initiatives, including the Pennsylvania Nutrition Education Network, the Pennsylvania Nutrition Education Program and the Northern Appalachian Leadership Initiative on Cancer (now part of the Appalachian Cancer Network).

The Nutrition Education Program addresses the food security and nutrition education needs of low-income individuals and households in Pennsylvania. The Appalachian Cancer Network addresses disparities in cancer prevention, early detection and treatment among the rural, medically underserved residents in a seven-state area. As a complement to her work with the



Audrey Maretzki

Appalachian Cancer Network, Maretzki, a cancer survivor, is a member of the Centre County Breast Cancer Coalition and a member of the Steering Committee for the University's Rural Women's Health Initiative.

She also is co-founder of ICIC, the Interinstitutional Consortium for Indigenous Knowledge, in the College of Education.

On the international scene, Maretzki launched the Kenya NutriBusiness Project, designed to address the interrelated problems of childhood malnutrition and rural poverty in sub-Saharan Africa. Under Maretzki's leadership, a team from Penn State, Tuskegee University and the University of Nairobi trained local women to add value to the crops they produce by formulating, processing and marketing nutritious, culturally appropriate, easy-to-prepare and affordable weaning foods to supplement breast milk. Today, the initial NutriBusiness cooperatives are self-sustaining and the NutriBusiness model is being copied in other parts of sub-Saharan Africa and in the United States in the lower Mississippi delta.

Graduate teaching award honors Freeman

Katherine H. Freeman, associate professor of geosciences in the College of Earth and Mineral Sciences, has been awarded the Graduate Faculty Teaching Award.

This award recognizes tenured faculty members who have excelled both in teaching at the graduate level and in supervising thesis work of graduate students.

Known internationally for her work in organic and isotopic geochemistry, Freeman has been a dedicated mentor both to graduate students and junior faculty.

Because of her interdisciplinary approach, she has been actively engaged with graduate students in other departments, including fuel



Katherine Freeman

science and soil sciences.

Freeman was a co-originator and co-principal investigator of the grant establishing the Biogeochemical Research Initiative for Education, supported by the University and by the National Science Foundation's Integrative Graduate Education and Research Traineeship Program. The initiative taps the expertise of 17 faculty members in areas ranging from biotechnology to soils remediation. The program, with Freeman as associate director, has proven extremely successful at recruiting women and minority groups for science programs.

President's Award recognizes Bierman's academic achievements

Karen Linn Bierman, distinguished professor of psychology and director of the Children, Youth and Families Consortium, will receive the 2002 President's Award for Excellence in Academic Instruction.

The award is given to a full-time member of the faculty who has exhibited extraordinary achievement in the integration of the University's three-pronged mission of teaching, research or creative accomplishments and service.

People who nominated Bierman for the award praised her contributions to the field of psychology in conceptual, empirical and applied capacities, and her excellence in undergraduate instruction and graduate supervision. Her ability to blend her research and classroom efforts with outreach to parents, children and schools seeking to help children learn social skills and handle conflict also was complimented.



Karen Bierman

Bierman joined the University as an assistant professor in clinical psychology in 1981 following work at the University of Washington Medical School and the University of Denver's Child Study Center. Among her recent honors, she received a Faculty Scholars Medal in 1996 and was named distinguished professor in 1999. Also in 1999, she

became director of the Children, Youth and Families Consortium, which promotes interdisciplinary faculty collaborations on critical issues in child and family development.

The principal investigator at the University for the FAST-Trac multi-site project on prevention of adolescent conduct problems under a \$7.85 million grant, Bierman also has worked closely with such organizations as the National Institutes on Mental Health, the Society for Research in Child Development and the William T. Grant Foundation.

Palmer Faculty Mentoring Award goes to Bell

Bernard Bell, professor of English, will receive the 2002 Howard B. Palmer Faculty Mentoring Award.

The Palmer Faculty Mentoring Award recognizes faculty members who most effectively promote the collegial and professional development of junior faculty. It is named for Howard B. Palmer, senior associate dean of the Graduate School of the University from 1985 until his retirement in 1991.

A nationally prominent scholar in African-American literature and African studies, Bell is honored for his mentoring efforts on behalf of junior faculty within the English department and across the



Bernard Bell

University. He has assisted in recruiting and retaining faculty for the department, the College of the Liberal Arts and the University in general.

Bell is cited for his leadership on the advisory board of the Center for Minority Graduate Opportunities and Faculty Development and for a wide range of activities such as facilitating junior faculty workshops related to scholarly publishing, tenure review and external funding opportunities.

He also played a major role in the development of the African and African-American Studies Department and the Africana Research Center.

Excellence in Advising Award acknowledges career guidance to students

The 2002 Excellence in Advising Awards will be presented to John Buck and Stanley B. Supon.

The award, established by the Undergraduate Student Government's Academic Assembly, annually honors one full-time faculty member and one full-time professional adviser from any University location who has at least two years of advising experience. The award acknowledges excellence in advising, academic and career guidance and assistance to students in decision-making and goal setting.

Buck began his career at the University as an adviser 32 years ago. In addition to his responsibilities as assistant



John Buck

professor of English, which has him teaching two courses each semester, he is director of and adviser in the English Advising Center, which serves 500 undergraduate English and American studies majors.

Buck's approach to advising is simple: To serve his students well, he needs to know them as themselves and understand the many ways in which the University can help them "in all of their variety" to become the adults they want and need to be.

Students praised his personal involvement, his honesty and his unique ability to see every student as an individ-



Stanley Supon

ual, which they find invaluable when discussing course load, career opportunities and life.

Administrative director for undergraduate programs in the School of Information Sciences and Technology and DUS coordinator, Supon began his 20-year career with the University as an instructor of petroleum and natural gas engineering.

Supon said his advising philosophy is that no two students are exactly alike, thus no two advising sessions ever will be identical. He said because no approach works perfectly all the time, active listening, experience, patience and flexibility all play critical roles in every advising session.

Students valued his patience, involvement and his honest interest in their well-being. They appreciated his willingness to share his life experiences and to go that extra mile.

Central Support Services supervisor wins Staff Excellence Award

The 2002 Staff Excellence Award will be presented to Albert E. Matyasovsky, supervisor of Central Support Services in the Office of Physical Plant.

Established in 1993, this award recognizes the consistently outstanding performance of a staff member who has demonstrated and practiced the philosophy of continuous quality improvement, team spirit and managerial excellence in the performance of assigned duties, and who has provided leadership in establishing a quality service orientation, so as to benefit his or her unit and the University.

A University employee for 18 years, Matyasovsky has supervised the daily operations of Central Support Services since 1991. As a supervisor, Matyasovsky has improved working conditions, unit morale and respect for the important work performed by Central Support Services. Matyasovsky instituted a 360-degree evaluation and solicits feedback



Albert Matyasovsky

from his crew concerning his performance, directing them to send their feedback to his supervisor.

Matyasovsky is dedicated in his continuous efforts to find ways to improve not only the work processes of his crews, but to find new ways to benefit the University community and the surrounding community. He has led the University's refuse and recycling program, which includes Beaver Stadium and Bryce Jordan recycling, Newspaper Readership Program recycling and Four Diamonds recycling, to national prominence. Matyasovsky's commitment and leadership has helped raise more than \$100,000 through his recycling efforts. The money is to be contributed to charity or to student scholarship funds.

Matyasovsky gives back to the community by volunteering as a loaned executive to the Centre County United Way Campaign and as a member of the Penn State Special Olympics committee.

Koch wins Teaching Fellow Award

Patricia Bartholow Koch, associate professor of biobehavioral health and faculty affiliate in nursing and women's studies, has won the 2002 Penn State Teaching Fellow Award: The Alumni/Student Award for Excellence in Teaching.

The Teaching Fellow Award was established in 1985 by the Alumni Association, the Undergraduate Student Government and the graduate Student Association to honor distinguished teaching and offer encouragement and incentive for excellent teaching.

Koch teaches courses in health promotion, women's health and human sexuality. She wrote, "Since many of the topics I teach about (e.g. sexual development, sexual orientation, sexual assault) are very personal and sensitive for many people, I try to make the environment as comfortable as possible. I encourage a diversity of viewpoints to be expressed and never censor ideas, although we critically examine them. I try to answer all questions and allow students to ask questions and give responses and feedback using anonymous formats as well."

Koch consistently receives the highest



Patricia Koch

student ratings for her courses and her open teaching style enables students to approach her with personal as well as academic difficulties, including concerns about pregnancy or sexual assault. She consistently gives them help and guidance. In addition, her work with students in underrepresented groups, including students of color and gay, lesbian, bisexual and transgendered students, has helped to establish a positive climate for these groups at the University.

Koch was previously honored with the College of Health and Human Development Dorothy Jones Barnes Teaching Award, Provost's Office Collaborative Teaching Award and the Faculty Associates Award from Student Services for outstanding teaching and service to students. Both colleagues and students count her as a teaching mentor and she has received numerous grants in support of her work on improving undergraduate sexual health education and other educational interventions. She also has served on numerous committees to develop or redesign courses so that they are more interactive and inclusive of diversity.

Equal Opportunity Award goes to M. Joan Schumacher

M. Joan Schumacher, director of the Office of Fellowships and Awards in The Graduate School, is the 2002 recipient of the University's James Robinson Equal Opportunity Award.

Sponsored by the Alumni Association, the James Robinson Equal Opportunity Award is designed to recognize a faculty or staff member who promotes the concept of equal opportunity through affirmative action and/or contributes to enhancing the educational environment of the University through improving cross-cultural understanding.

Schumacher was honored for her commitment to

enhancing financial support for minority graduate students and through national organizations over the past 25 years. Also recognized were her individual efforts to support students from diverse backgrounds including international students. As a doctoral candidate in the higher education program, she researched the many adjustment issues faced by underrepresented students at University Park campus and organized seminars on diversity in higher education. Today, Schumacher is a mentor and speaker in the areas of diversity and graduate education.

She spearheaded the University's success with the federal Patricia Roberts Harris Program fellowship for under-

represented graduate students. Schumacher collaborated with the University's Native American Indian Leadership Program to leverage additional resources and assisted various organizations such as the Black Graduate Student Association, the African Student Association, Graduate Student Association and The Graduate School Office of Educational Equity.



M. Joan Schumacher

DuBois staffer earns 2002 support award

Linda M. Gelnett, staff assistant to the Office of Continuing Education at Penn State DuBois, will receive the 2002 Support Staff Award.

The award is granted each year to recognize the overall high quality performance of a non-exempt member of the support staff and his or her dedication to customer service, quality improvement, teamwork and professionalism.

A University employee since 1990, Gelnett has worked in the areas of Instructional Services and Student Affairs before her current position with Continuing Education. People who nominated her for the award noted the good impression she makes on callers and visitors to the campus through customer service. They also point out her willingness and reliability in taking on duties



Linda Gelnett

such as Web page maintenance, budgeting for travel and payroll forms, and general office management on top of her other responsibilities.

The Continuing Education office serves the needs of non-credit students, and Gelnett's professionalism in streamlining its procedures drew admiration from several nominators. She has furthermore been involved with the "Kids in College" scholarships program, data warehouse reporting and the establishment and maintenance of cost centers designed to track program income and expenses.

Also active with the Penn State DuBois Veterans' Club, Gelnett was praised for her efforts to increase its membership and funding, and to help organize last year's successful Veterans' Day ceremony at the campus.

President's Award for Engagement goes to Shapiro

David Shapiro, professor of economics, demography and women's studies in the College of the Liberal Arts is the 2002 recipient of the President's Award for Engagement with Students.

The award is given to a full-time member of the faculty who goes beyond his or her responsibilities to engage and encourage students in learning, demonstrating deep caring and involvement with student's learning.

Shapiro received this award for his high level of commitment to promoting student growth and learning both in and out of the classroom. The supervisor of more than 120 honors theses, he has had a number of his advisees participate in the National Conference on Undergraduate



David Shapiro

research since the early 1990s, he has taken students to an undergraduate economics conference at Ursinus College each year and last year, two of his students presented at the annual meeting of the Population Association of America. He maintains contact with a substantial number of his honors program alumni, and his ongoing Honors Program Newsletter

allows former students to find out about classmates. He recruits former students for a series of panel discussions sponsored by the undergraduate economics association on "What can you do with a degree in economics?" He also actively seeks to assist current students in finding internships and employment, in part relying on his network of former students.

Medals

Continued from page 7

ties allow particle physicists to predict the outcome of scattering experiments and probe the fundamental building blocks of matter.

He joined the University faculty in 1990 as professor.

Pewdev received the award for his landmark work on how environmental toxins and pollutants, especially dioxins, cause significant alterations in gene expression in mammalian cells. His internationally recognized research program examines the function and molecular dynamics of the receptor for aromatic hydrocarbons. He is currently looking at specific proteins involved in regulating the aromatic hydrocarbon receptor in cells and the role these proteins play in gene expression.

He is the director of the University's Center for Molecular Toxicology and Carcinogenesis and co-director of the Life Science Consortium's graduate program in cellular and molecular mechanisms of toxicity.

Newell is recognized as one of the world's foremost authorities on human motor learning and control. He received this award for his theoretical and experimental studies leading to contributions in the development of a dynamical systems framework for the study of human movement. His work has focused on the nature of change in motor learning and its link to stable and unstable movement dynamics, the role of noise in the fluctuation of steady state behaviors, such as posture; and the organization of movement coordination patterns.

FROM THE TRUSTEE DOCKET

Trustees meet in Washington, D.C.

The Board of Trustees convened for its regular meeting March 14 and 15 in Washington, D.C., the first time the University's governing body has met outside Pennsylvania. In addition to regular business, the meeting was designed to demonstrate the national and international scope of the University.

President Graham B. Spanier, in his opening remarks to the board on March 14, discussed the factors that make Penn State a player in higher education on a national level.

"What happens in Washington directly affects what happens at Penn State," said Spanier. "National education policies emanate from Washington, as well as federal funding for critical research, national defense concerns and student aid."

Reports from the meeting are on the Web at http://www.psu.edu/wr/archives/intercom_2002/trustees/index.html. For the full text of Spanier's remarks, check http://www.psu.edu/wr/archives/intercom_2002/trustees/bo.html.

Health insurance expanded for grad assistants

This fall, the University will increase health-care coverage for graduate assistants, graduate fellows and their spouses and families, with equivalent coverage to that offered to full-time faculty and staff. President Graham B. Spanier informed the Board of Trustees March 14 that enhanced health-care coverage will help the University continue to attract the best graduate students who have teaching and research assistantships.

For more on this story, check the Web at <http://www.psu.edu/wr/2002/bot15mar02healthcare.html>.

Food Sciences Building released for design by state

The Board of Trustees learned on March 15 that the Governor's Budget Office has released the proposed new Food Sciences Building at the University Park campus for design. The \$25.3 million project will replace the existing food sciences facilities in Borsland Lab.

For the full story, check the Web at <http://www.psu.edu/wr/2002/bot15mar02foodsci.html>.

Trustees approve land exchange, architects

The Board of Trustees on March 15 approved an exchange of land with the Commonwealth of Pennsylvania to benefit the Penn State Mont Alto campus. Through the land swap, the University will acquire 28 acres adjoining the Mont Alto campus in exchange for 55 acres of unused University forest land of equivalent value located at the

Larson Agricultural Research Center in Rock Springs. The Department of Conservation and Natural Resources plans to consolidate the parcel into the lands of the adjacent Rothrock State Forest.

In other action, the trustees approved the appointment of Bart Hill Kosar Rittelmann Associates of Butler as architect for a multi-purpose building for Penn State Fayette and the appointment of Hayes Large Architects of State College and Childs Bertman Tseckars Inc. of Boston as architects for improvements to several dining commons at University Park.

For the full story, check the Web at <http://www.psu.edu/wr/2002/bot15mar02pp.html>.

McConaughay named dean of School of Law

Philip J.

McConaughay, a professor at the University of Illinois College of Law, was approved by the Board of Trustees on March 15 as dean of the Dickinson School of Law, effective July 1.

For the full story, check the Web at <http://www.psu.edu/wr/2002/bot15mar02mcconnaughay.html>.



Philip J. McConaughay

Trustees approve new name for baseball facility

The Board of Trustees on March 15 voted to name the baseball stadium at the University Park campus Lubrano Park in honor of the generosity of alumnus Anthony P. Lubrano, who recently gave \$2.5 million in response to the University's efforts to raise private funds to improve existing baseball facilities. The field itself will be named Medlar Field in memory of Charles "Chuck" Medlar, head baseball coach for the Nittany Lions from 1963 through the 1981 season.

For the full story, check the Web at <http://www.psu.edu/wr/2002/bot15mar02lubrano.html>.

Trustee election ballot positions announced

Ballot positions for the 2002 election of trustees by alumni have been determined by a drawing, a procedure established by the Board of Trustees. Ballots for the trustee election will be mailed to alumni by April 10. All ballots must be returned to the Office of the Board of Trustees by the close of the election at 9 a.m. May 9.

The names of the candidates for three positions on the board to be elected by alumni can be found at <http://www.psu.edu/wr/2002/bot15mar02elections.html>.



Arts & Entertainment

Children's Opera performance

The Children's Opera will present "Sid the Serpent Who Wanted to Sing" at 3 p.m. Saturday, March 23, and Sunday, March 24, in 110 Music Building 1 on the University Park campus.

The performances are free to the public.

Bach's Lunch

The Bach's Lunch concert will feature the Double Reed Ensemble at 12:10 p.m. Thursday, March 28, in the Eisenhower Chapel on the University Park campus.

The event is free to the public.

The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Campus Ministry.

Following the performance, audience members may take their bag lunches to Memorial Lounge in Eisenhower Chapel. Beverages are provided.

Award-winning books

"Smart Books, Smart Design," an exhibition spotlighting the contributions of design and production to scholarly publishing, is on display through May 3 in the Diversity Studies Room, 109 Pattee Library on the University Park campus.

It showcases books and journals from Penn State Press along with award winners in the 2001 Book, Jacket and Journal Show sponsored by the Association of American University Presses. The judges honored Penn State Press for the jacket designs of Roy Kriksen's *The Building in the Text* and Ricardo Castells' *Fernando de Rojas and the Renaissance Vision*.

The book show will feature a presentation by Chip Kidd, book designer and author, at 5:30 p.m. April 4 in Foster Auditorium, 101 Pattee Library. Kidd will read from his debut novel, *The Cheese Monkeys: A Novel in Two Semesters*.

For information call, (814) 865-1327.

Jazz weekend, symposium

A number of jazz musicians, including Wynton Marsalis, will perform April 5 and 6 at



On display at the **Matson Museum of Anthropology**, this canoe-shaped, ceremonial bowl is one of many new exhibits at the museum on the University Park campus. For additional information, see the arts brief "Matson Museum exhibits," at right.

Kenny Chesney brings country music to town

Country singer Kenny Chesney will perform at 7:30 p.m. Saturday, April 13, at The Bryce Jordan Center on the University Park campus.

He will be joined by guests Sara Evans, Phil Vassar and Carolyn Dawn Johnson.

Reserve tickets cost \$35.

University Park in conjunction with the symposium, "Free Jazz and Its Legacies: Black Music and American Culture."

Marsalis and the Lincoln Center Orchestra will perform at 8 p.m. Saturday, April 6, in Eisenhower Auditorium. Tickets are \$30 for general admission, \$25 for students, \$15 for University Park students and \$15 for children 12 and younger. For tickets, call (814) 863-0255.

BRUCE JORDAN CENTER

Tickets can be purchased at *The Bryce Jordan Ticket Center, Eisenhower Auditorium, select Uni-Mart, Commonwealth Campus ticket outlets*, by phone at (814) 865-5555 or (800-863-3336) and online at <http://www.bjc.psu.edu>

Jazz musicians Archie Shepp and Roswell Rudd with Andrew Cyrille and Reggie Workman will perform with poet and activist Amiri Baraka at 8 p.m. Friday, April 5, in Schwab Auditorium.

Shepp and Baraka are appearing as part of the symposium from 1:30 to 5 p.m. Saturday, April 6, in Pattee Library's Foster Auditorium. John Seward, author of *Space is the Place: the Lives and Times of Sun Ra*

and Barry Kernfeld and editor of *The New Grove Dictionary of Jazz*, will be among the speakers. Other participants include poet Cecil Gismonte, philosopher Vincent Colapieto, pianist Arthur Goldstein, rhetorician Elaine Richardson and cultural theorist Morris Nunley. The symposium and Friday performance are free to the public.

For information, e-mail William J. Harris at wjh8@psu.edu or Paul Youngquist at pyb1@psu.edu, or call or (814) 865-6384.

Matson Museum exhibits

The Matson Museum of Anthropology on the second floor of Carpenter Building on the University Park campus has opened several new exhibits that explore the use of masks, the culture and life ways of Pacific Islanders, early Near-Eastern pottery, Native American Commerce and the Taino — the group that greeted Christopher Columbus when he first traveled to the New World.

Also new at the museum is a temporary memorial exhibit showcasing the work of James Hatch, associate professor of anthropology who died December 1999 after 23 years in the department.

"The Tour of Masks," created by Elizabeth Nolan, an undergraduate in anthropology, explores the use of masks in drama, religious ceremonies, celebrations and exorcisms.

"A Glimpse into the Pacific" highlights the diverse people and distinctive cultures in the Pacific. The exhibit, developed by last year's museology students, covers the regions of Polynesia, Melanesia and Micronesia.

Taino artifacts, on loan from Dr. and Mrs. Leonard Casser, illustrate the life ways and material culture of this group whose culture spread throughout the Caribbean, but disappeared just 50 years after European contact.

An exhibit developed by this year's museology class traces "Continuity and Change in Native American Commerce." Artifacts on display include Caddoan pottery and Navajo rugs.

To arrange group tours call Claire Miller at (814) 865-2033.

BOOK SHELF

Steven A. Peterson, director of the School of Public Affairs at Penn State Capital College.

Evolutionary Approaches in the Behavioral Sciences: Toward a Better Understanding of Human Nature, published by Elsevier, 2001.

The World of the Policy Analyst, Chatham House Publishers, 2002.

The first volume, edited by Peterson and **Albert Smith**, explores the extent to which evolutionary theory has been recognized and used in the social sciences. The various chapters suggest that the impact has been

great not to this point, despite the strengths of the perspective.

Peterson is co-author of the second volume along with **Robert A. Heineman**, **William T. Bluhm** and **Edward N. Kearney**. The volume explores the extent to which values and ideas affect the world of the policy analyst. Much work suggests that technical criteria are central for policy decision-making; this volume, however, notes that one cannot avoid value conflicts and politics in the policy process.

Spencer G. Niles, professor of counselor education.

Career Development Interventions in the 21st Century, Prentice Hall, and *The Career Counseling Casebook: A Resource for Practitioners, Students and Counselor Educators*, first edition, National Career Development Association.

Niles co-wrote the former and co-edited the latter book, both of which deal with practical applications of career counseling to

the lives of individuals being served and to the career counseling practitioner.

Lourdes Diaz Soto, professor of language and literacy and visiting professor at Columbia University's Teacher's College this semester.

Making a Difference in the Lives of Bilingual/Bicultural Children, Peter Lang Publishers.

Soto edited the book, which was written with experts in the field and several University bilingual graduate students.



University Park Calendar

March 22 - March 30

SPECIAL EVENTS

Friday, March 22

"Sam Gilliam: Recent Prints," gallery talk, by
On Haxall, noon, Palmer Museum of Art.

Monday, March 25

World Wrestling Federation's RAW, 7:45 p.m.,
The Bryce Jordan Center. For tickets, call
(614) 865-5555.

Wednesday, March 27

Troilus and Cressida & Macbeth, 8 p.m. March
27, 28, 29 and 30; 2 p.m. March 30; Pavilion
Theatre. For tickets, call (614) 863-0255.

"Condensed Classics," 8 p.m. March 27, 28, 29
and 30; 2 p.m. March 30; The Playhouse.
For tickets, call (614) 863-0255.

Friday, March 29

Joyce Robinson, gallery talk on "Carrie Mae
Weems: Jefferson Suite," with a dance per-
formance by the Pennsylvania Dance Theater,
7:30 p.m., Palmer Museum of Art.

MUSIC

Saturday, March 23

Children's opera, "Sid the Serpent Who Wanted
to Sing," Susan Boardman, director, 3 p.m.,
110 Music, through March 24.

Thursday, March 28

The Penn State Oboe Reed Ensemble, Bach's
Lunch, 12:10 p.m., Eisenhower Chapel.
Faculty concert, featuring Paul Barsom, 8 p.m.,
Recital Hall, Music I.

SEMINARS

Friday, March 22

Joao Gungussu on "A State Variable Approach
for Feedback Software Process Control,"
10 a.m., 302 Pond Laboratory.

Nail Sharkey on "The Complex Genetic Architec-
ture of Bone Quality," 3 to 4 p.m., 127 Noll
Physiological Research Center.

Patrick MacCarthy on "Humic Substances—
The Practical and Intellectual Challenges,"
4 p.m., 26 Hosler.

Mark E. Neely Jr. on "So Many Voters: American
Political Culture in the Civil War Era," 7 p.m.,
boardroom, The Nittany Lion Inn.

Saturday, March 23

Patrick MacCarthy on "Heterogeneity in Humic
Substances—An Ecological Necessity?"
2 p.m., 22 Deike.

Mark E. Neely Jr. on "So Many Voters: American



"The Jefferson Suite," an exhibit of photography by Carrie Mae Weems, is on display in the Palmer Museum of Art on the University Park campus through June 9. An original musical score by James Newton provides background for the exhibit.

Political Culture in the Civil War Era," 3 p.m.,
Foster Auditorium, Pattie Library.

Monday, March 25

Andy Wang on "Conquest: Preparing for Life
after Disks," 10 a.m., 302 Pond Laboratory.

Cecilia Novaro on "Spinning the Text: OJ meets
Feminist Theory in a Contemporary German
Novel," 12:40 p.m., 102 Kern.

Oerckv W. Holdsworth and Hank Rademacher
on "How to Map a Book: William Ander-
son's London Commercial Dictionary and
Sea-Port Gazetteer (1826)," 4 p.m.,
103 Pattee Library.

J. Craig Venter, B. p.m., Schwab Auditorium.

Tuesday, March 26

Warren Robinson on "Population Policy in Early
Victorian England: Victoria's Secret Popula-
tion Policy," noon, 406 Oswald Tower.

"A New Harvest: Revealing Hidden Resources
with the Open Archives Metadata Harvesting
Protocol," videoconference, noon to
2:30 p.m., 101 Pattee Library.

Michael Romells on "Symmetry Tests,"

3:30 p.m., 339 Davey Laboratory.

Nick Abbott on "Amplification and Imaging of
Molecular and Biomolecular Events using
Liquid Crystals and Nanostructured Sur-
faces," 4 p.m., 22 Deike.

Lauren Mangeney on "Role of p53 Tumor
Suppressor Protein in Signaling Apoptosis
or Cell Cycle Arrest," 4 p.m., S5 Osmond
Laboratory.

Wednesday, March 27

Jason Shear on "From Photochemistry to Bio-
chemistry: Probing Rapid Chemical Events
in Ultraviolet Volumes," 11:15 a.m.,
S5 Osmond Laboratory.

Lori Frank on "Privately Funded Research and
the Conduct of Science," noon, 108 Wartik
Laboratory.

John Paul Caponigro on "Meditations: Reflec-
tions on Nature," 7:30 p.m., Palmer Muse-
um of Art.

Thursday, March 28

Jay Siegel on "Topological Stereochemistry,"

12:15 p.m., S5 Osmond Laboratory.

Merrill W. Beckstead on "A Summary of Aluminum
Combustion," 3:30 p.m., C213 Coal Utilization
Laboratory.

R. Shankar on "Fractional Quantum Hall Effect for
Quintuples," 4 p.m., 117 Osmond Laboratory.

"An Evening of Pennsylvania Poets: Readings in
Celebration of the Public Poetry Project,"
7 to 8:30 p.m., 101 Pattee Library.

Friday, March 29

Sven Fuhrmann on "Navigating Desktop Geovis-
ual Environments," 4 p.m., 301 Steidle.

Saturday, March 30

Peter R. Cavanagh on "A History of Humans in
Space: The Politics, the Science and the
Social Context," 11 a.m., 100 Thomas.

EXHIBITS

HUB-Robeson Center

"Freedom to Play: The Life and Times of Basket-
ball's African-American Pioneers," through
May 12.

"Hands Across the Sea: Medallion Art from Poland
and America," through May 1.

Kern Commons exhibit area

"Images From Our Heritage: experiences of Penn
State Hill Students in Israel," through
May 12.

Palmer Museum of Art

"Sam Gilliam: Recent Prints," through May 26.
Digital work by John Paul Caponigro, through
June 2.

"Carrie Mae Weems: Jefferson Suite," through
June 9.

Pattie and Paterno Library exhibit areas

"Smart Books, Smart Design," through May 3.
"The Power of Youth: 100 Years of 4-H," through
April 5.

"The Many Realms of King Arthur," through
May 10.

Warnock Commons

"Photographic Ethnobotany: Peruvian Plants and
People," photographs by Benjamin Chemel,
through May 12.

For a full listing of University Park activities,
including sporting events, go to the Web at
<http://cac.psu.edu/calendar/>. For a detailed
listing of upcoming Conference and Institutes
conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

NEW AT PENN STATE

Penn State McKeesport dedicates learning center

Penn State McKeesport recently dedicated the
Jordan Gruskin Learning Center to pro-
vide enhanced academic support to students.

The new center is in the J. Clarence Kelly
Library and is named in memory of the
father of alumnus Mark R. Gruskin, who
attended the campus in the mid-1970s and
holds a B.S. in computer science and M.B.A.
from Penn State.

The Learning Center provides a support
program for students with a variety of service
including professional and peer tutoring,

designed study plans and guided-practice
workshops.

Dinah I. Marcinek was named coordina-
tor of the Gruskin Learning Center. She will
oversee the center's resources; hire advisers
and tutors; and work with students to meet
their needs.

Loan-forgiveness partnership between hospital, Penn College

Jersey Shore Hospital and Pennsylvania Col-
lege of Technology have established a part-
nership to help student nurses pay their col-
lege expenses in exchange for a commis-

sion of employment at the hospital after
graduation.

In 2002-03, Jersey Shore Hospital will com-
mit up to \$89,000 to launch the loan-forgive-
ness award program.

Under the terms of the agreement, the
hospital will provide up to \$10,000 in loan for-
giveness for a student enrolled in the col-
lege's nursing majors.

Eligibility criteria for the program include
a minimum grade-point average; completion
of most general pre-nursing course work;
writing skills, as exhibited on the application;
a personal interview; and two letters of

recommendation from professionals who
are aware of the student's work capabilities.

Students must submit an application by
July 31 to be considered for an award.

Outreach to area secondary schools will
be another component of the partnership.
Jersey Shore Hospital and Penn College will
coordinate communication with guidance
counselors and career coordinators to
ensure that students in area school districts
are aware of local health-care career oppor-
tunities and scholarship availability.

To apply, call Joan Watson at
(570) 398-3105.



Private Giving

Leading the Way The Faculty and Staff Campaign 2002



THE
PENN STATE
CAMPAIGN

"By giving to the University, I am able to support National Public Radio, brought to central and northern Pennsylvania through Penn State's WPSU-FM. Programs such as 'Living on Earth,' 'All Things Considered,' 'From the Top,' and the locally produced 'Folk Show' vitalize our community and reinforce values of lasting importance — stewardship of our environment, respect for a wide spectrum of thought, the pleasure of intellectual pursuit and the importance of history."

— Catherine Grigor, manager,
Office of Public Relations and Marketing, University Libraries

Endowment will promote faculty diversity in business administration

Alumnus William A. Donan's longstanding goal to endow a professorship in The Smeal College of Business to promote racial diversity has been achieved.

The 1968 University graduate has donated \$1 million to endow the William A. Donan Professorship in Business Administration. The professorship will be given to qualified candidates whose ethnic or cultural background contribute to the overall diversity of the faculty. It is the first fully endowed and active professorship designed to enhance diversity among the University's faculty, and it is one of

several endowments Donan has established. Others include the William Donan Minority MBA Fellowship in 2000 and the William A. Donan Undergraduate Scholarship in 1997.

The new Donan Professorship supports the University's ongoing programs and commitment to diversity. Income from the endowment may provide salary supplements, research expenses, graduate assistantships, education and travel expenses, and support services for the professorship holder or the holder's program.

After graduation, Donan served as an aviator

in the U.S. Army, rising to the rank of captain. In 1973, he joined Cardinal Healthcare (then American Hospital Supply), a national provider of health-care supplies to hospitals and health-care providers, as a sales representative. He quickly rose to the positions of president of the Medical Products division and president of the Specialty Business division before being named president of the Southeast Region of the company's U.S. health-care business in 1995. Donan retired in September 2001 and resides in the Atlanta area.

University launches Project MELD with diversity grant

A new project to help promote cultural diversity awareness on campus has received a two-year, \$250,000 grant from AT&T Foundation.

Project MELD — Multicultural Enhanced Learning for Diversity, will be managed by the Center for Education Technology Services. It will offer a digital library of information, materials and resources on diversity that can be used by faculty on all University campuses. This initiative will augment the University's drive for diversity awareness, particularly among new undergraduate students, and help meet a Faculty Senate mandate for a greater focus on international and multicultural understanding on campus.

In phase one, to be implemented this year, Project MELD will create a pool of online resources, including curricular models; exemplary syllabi, activities, assignments and assessments; course bibliographies, problem sets and simulations; information about experiential learning and active learning elements; international exchanges and multicultural experiences; scholarship on gender/ethnicity and academic disciplines; and classroom climate and culture.

The Center for Education Technology Services will assist faculty in accessing and integrating the resources into coursework. To more quickly infuse diversity materials into the curriculum, the center will work with clusters of courses and teams of faculty, rather than individual courses.

Next year in phase two, Project MELD will expand its support by developing and delivering a tutorial for faculty on how to use the resources to create an inclusive classroom climate. The tutorial will include both face-to-face and online training. In early 2004, the University plans to hold a conference on diversity-enhanced curricula for universities belonging to the Committee on Institutional Cooperation, the academic consortium of the Big Ten universities and the University of Chicago.

PARTINGS

The following individual has earned emeritus rank from the University for his longstanding and productive years of service:

Alistair B. Fraser, professor emeritus of meteorology in College of Earth and Mineral Sciences, from July 1, 1972, to Nov. 1.



Focus on Research

Studies look at arthritis, mental function and health in aging

By BARBARA HALE
Public Information

Working with responses from adult African-Americans, a team of University researchers has shed new light on the role of genetics in determining why people seem to age differently with respect to arthritis, mental functioning and their sense of well-being.

Keith Whitfield, associate professor of biobehavioral health and leader of the three studies, said, "Our research team is working to understand why people seem to age differently on some things and not others. We hope to provide a better understanding of the role of genetics in health and mental health as well as looking at personality and cognitive functioning."

The research team included Tamara A. Baker, who earned her doctorate under Whitfield's direction, and Sebrina A. Wiggins and Dwayne T. Brandon, who are doctoral candidates. The team found that genetics, age and depression were significant predictors of arthritis.

The subjects in the study included 70 identical twins and 88 fraternal twins ranging in age from 45 to 88 years of age from the Carolina African-American Twin Study of Aging. The twins were asked to complete questionnaires and interviews in which they provided information on demographics, health, cognition and well-being.

Whitfield noted that African-Americans disproportionately experience arthritis and about 95 percent of the cases are osteo arthritis. He added, "While there is a significant body of evidence linking genetics to rheumatoid arthritis, there is less evidence for osteo arthritis. The findings of the current study, the first with African-American twins, supports the genetic theory of the origin of both types of arthritis."

The team found that the personality trait that best predicted effective mental functioning among aging adult African-Americans was openness. Baker said, "If a person indicated that they were open to new experiences and was flexible and



Keith Whitfield, associate professor of biobehavioral health, is the team leader for researchers conducting studies into the role of genetics into why people seem to age differently. Part of the research came from the Carolina African-American Twin Study of Aging.

Photo: Greg Grieco

adaptable, they also tended to maintain learning and memory, general intellectual ability and spatial ability. Attention and the ability to recall things on a short term basis didn't vary with openness."

The data for that study was drawn from the Baltimore Study of Black Aging which Whitfield has been conducting since 1997. The subjects include 281 African-American men and women from 47 to 90 years of age. Whitfield noted that these findings could be useful when trying to select a retirement community, for example. If a person has a less-open personality type, it might be best to select a retirement community that provides

"Culture has varying degrees of environmental influence."

Keith Whitfield

activities that foster openness in order to help maintain mental functioning.

Brandon, National Institutes on Aging pre-doctoral fellow, is first author of the well-being study. He and the team found a strong genetic influence on several measures of well-being including John Henryism or active coping, life satisfaction and depression. Perceived stress and locus of control or the extent that a person felt that things were under their own control were more affected by the environment. Data for the study came from the Carolina African-American Twin Study of Aging.

Whitfield added, "Culture has varying degrees of environmental influence. So, next we will compare these results with results from Swedish and Russian studies."

Barbara Hale can be reached at bah@psu.edu.

Computer system beats humans at guessing gender

By BARBARA HALE
Public Information

A new computer classification system developed by University scientists can correctly identify a person's gender — based only on eyes, nose, mouth and voice cues — better than human beings can.

Rajeev Sharma, associate professor of computer science and engineering, says the new system is right nearly 100 percent of the time. Human beings consistently score in the low 90s percent.

The new system, which is the first computer system to combine both face and voice cues, has potential for use in security systems, market research and human-computer interaction systems as well as other applications. For example, the system could be used to signal when unauthorized individuals tried to enter a restroom, fitting room or dormitory.

The new system also could be used to collect market research data automatically, for example, on how many women and how many men sat behind the wheel of a specific car at a car showroom or selected white versus red flowers at a garden center.

The new system is based on powerful pattern recognition software technique, called support vector machines (SVM) that can learn. SVMs previously have been used to scan cell samples for abnormalities or in other applications where patterns are very similar and difficult to separate.

Sharma and his research group adapted SVMs separately for face and voice recognition. The researchers trained the software dedicated to faces on 1,755 thumbnail images of human faces from a standard database. The thumbnails showed only the section of the face that includes eyes, nose and mouth — no hair, ears or neck. Another SVM was trained on voice samples. The voice samples also came from a standard database and included just fractions of a second of voice data.

When the face software and voice software each had been trained separately to the level of human proficiency at classifying gender, Sharma and his group added a SVM "manager" to fuse the results, make the final gender classification and improve the system's accuracy.

Besides Sharma, the inventors also include his former student, Leena A. Walavalkar, and visiting researcher Mohammod Yousif. The University has submitted a provisional application for a patent for the invention that has been licensed to Sharma's company, Advanced Interface Technologies.

Barbara Hale can be reached at bah@psu.edu.

Piazza awarded \$375,000 CAREER grant to develop musculoskeletal models

Stephen J. Piazza, assistant professor of kinesiology, mechanical engineering and orthopedics and rehabilitation, has received a Faculty Early Career Development (CAREER) grant from the National Science Foundation.

The grant recognizes and supports the early career development activities of teacher/scholars. Piazza's award marks the first time that a faculty member in the College of Health and Human Development has received a CAREER award.

Piazza is a research scientist in the Center for Locomotion Studies. His five-year, \$375,000 grant will be used to develop musculoskeletal

computer models to analyze the function of healthy and diseased human feet and ankles. The project, which will be conducted at the center, also will introduce undergraduate students, particularly those from groups underrepresented in higher education, to research and career opportunities in biomechanics.

Piazza joined the University faculty in 1998 after receiving his doctoral degree in mechanical engineering from Northwestern University. He is a member of the American Society of Mechanical Engineers, the American Society of Biomechanics, the Orthopedic Research Society and the Gait and Clinical Movement Analysis Society.

Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Spring has sprung



Signs of spring are appearing everywhere. The spring lambing season is well under way on the University Park campus, above. About 120-125 lambs have been born so far this season. Visits to the sheep center are by appointment only. For information or to make an appointment, call Randy Swope at (814) 863-3658.

At right, daffodils and grape hyacinth are in bloom near the Nittany Lion shrine, which can be seen in the background. About 100 pans of forced bulbs have been raised in University greenhouses and these first teasers of spring are making appearances at the Nittany Lion shrine, the Hintz Family Alumni Center, The Nittany Lion Inn and other locations. Office of Physical Plant landscape crews will plant an additional 26,000 annuals and several hundred new trees on campus by mid-May.

Photos: Greg Grieco



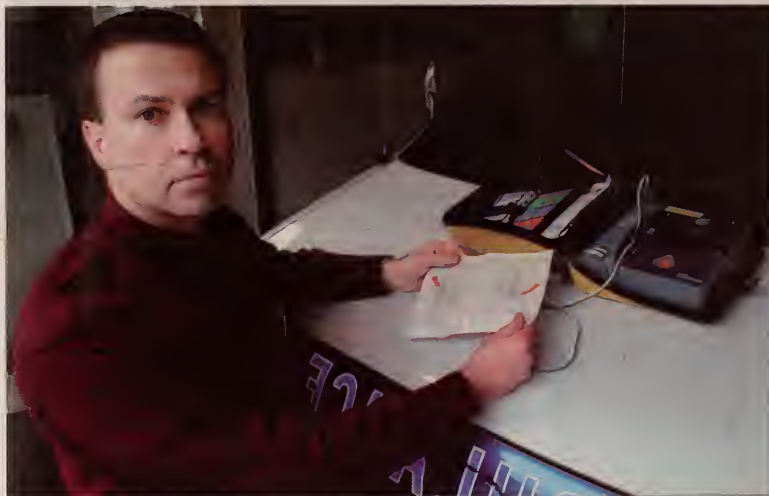


Intercom

INFORMING THE PENN STATE COMMUNITY

MARCH 28, 2002

Life-saving addition to campuses



David Jones, director of Emergency Medical Services in University Health Services, displays an automated external defibrillator. Several of the devices, used in cardiac emergencies, have been purchased by units University-wide.

Photo: Greg Grieco

Device becoming prevalent in public locations

By **BILL CAMPBELL**
Special to Intercom

It's small and compact. It's easy to use. It's becoming more readily available. And it saves lives. It's an automated external defibrillator (AED), and it is making its presence felt throughout Penn State.

"A number of units within the University have purchased AEDs for use in cardiac emergencies," Margaret Spear, director of

University Health Services, said. "The devices do save lives if they are used quickly and properly."

AEDs are used to treat cardiac arrest, which occurs when the heart's normal electrical signals become erratic or "fibrillate," thus diminishing the heart's ability to pump blood effectively. To correct the problem, restoring proper heart rhythm in two to three minutes is crucial.

"Time is critical in a cardiac event," J. David Jones, director of Emergency Med-

ical Services in University Health Services, said. "Survival is all about time. From the time you realize a patient is not breathing, has no pulse and is unconscious until defibrillation is done is critical. The quicker the patient gets defibrillation that is needed, the better are his or her chances for survival.

"Early intervention is the key to success. I have seen patients saved by use of

AEDs, page 2

New dean to add prestige to law school

When Philip J. McConaughay takes the reins as dean of the Dickinson School of Law on July 1, the event will mark the biggest change in the school since its merger with Penn State.

McConaughay, a professor at the University of Illinois College of Law, will replace Peter G. Glenn, who will step down after eight years as dean at the conclusion of this academic year. Glenn, who is the Donald J. Farage Professor of Law at Dickinson, was a key architect of the merger.

McConaughay brings with him a wealth of legal experience, having practiced international law for nearly two decades before joining the faculty ranks.



Philip McConaughay

Dickinson, page 2

Program to change how faculty teach

By **JULIE A. BRINK**
Public Information

A roundtable of Agricultural Science professors watched a video on population growth. A counter ticked off the years as lighted dots popped up on the global map for every million souls born.

The presenter, Lyn Garling, education specialist in Pennsylvania Integrated Pest Management Program, noted that people need to look at growth from many angles — political, sociological and ecological, among others. "The issue is not only how many, but who are these people?" she said.

Infusion, page 3

25-YEAR AWARDS



William O. Bishop



Cleo A. Campbell



John G. Lintner



Thomas J. Stasik



Cynthia D. Tressler



Charles C. Way

Observing 25 years of service at the University are, top row from left, William O. Bishop, director of audio-visual services in University Libraries; Cleo A. Campbell, administrative assistant in the College of Health and Human Development; John G. Lintner, senior research support specialist in Eberly College of Science; and Thomas J. Stasik, campus police chief at Penn State Worthington Scranton; **second row, from left:** Cynthia D. Tressler, human resources coordinator in the College of Health and Human Development; and Charles C. Way, area facilities maintenance worker in Office of Physical Plant.

Dickinson

Continued from page 1

"This is one of the most significant hires in the history of Penn State," said President Graham B. Spanier. "He is an absolutely phenomenal scholar with extremely impressive international credentials in the practice of law."

He has a distinguished career and is widely recognized and respected for his contributions to the fields of international arbitration and intellectual property law.

"We are extremely pleased to have someone with his unique combination of research, practice and programmatic experiences and success joining Dickinson in this leadership position," said Rodney A. Erickson, executive vice president and provost.

McConaughy joined the Illinois faculty in 1996, following 17 years of international law practice. During his six years at Illinois, he established an externship program for law students with the South Africa Human Rights Commission and research opportunities with the National Center for Supercomputing Applications.

In addition, he published several major works pertaining to cross-cultural commercial dispute resolution and the relationship between law and economic development in developing nations, and partnered with professors from other disciplines to organize and host international symposia on human rights in Africa, international intellectual property, and the values that should guide research at major universities. McConaughy has been a visiting professor at Northwestern University in Xi'an, China, and has lectured on development and intellectual property issues in China, Vietnam, Japan and Europe.

From 1979 to 1996, McConaughy prac-

ticed international law for Morrison & Foerster, including eight years as a resident partner in the firm's Tokyo and Hong Kong offices, where he represented parties in major international arbitrations and transactions throughout the world, including representing Fujitsu Limited of Japan in the celebrated IBM/Fujitsu Arbitration, a multi-billion dollar dispute concerning worldwide intellectual property rights in mainframe computer operating system software. He also served as an adviser to the Government of Indonesia with respect to the drafting of a new national arbitration law, and consulted with the U.S. Department of Justice concerning its antitrust prosecution of Microsoft Corp.

Previously, McConaughy served as special deputy general counsel to the United States Equal Employment Opportunity Commission. He received his bachelor's degree cum laude in 1975, and juris doctorate summa cum laude in 1978 from the University of Illinois.

"Dickinson School of Law is one of the finest law schools in the mid-Atlantic region, and Penn State one of the world's great research universities," said McConaughy. "Their recent merger enables Dickinson to offer educational programs that will equip the next generation of lawyers and policymakers with all of the skills necessary to meet the complex legal problems of tomorrow. I feel very privileged to be asked to join with Penn State Dickinson's faculty, students, staff, and alumni to make the most of this opportunity."

Dickinson is the oldest law school in Pennsylvania, and the fifth oldest in the nation. Located in Carlisle, its merger with Penn State was concluded in 2000. Dickinson's 2001-2002 enrollment is 541 students.

AEDs

Continued from page 1

a defibrillator. They are effective."

Here's how an AED works:

The operator opens the carrying case, plugs the cord of two pads into the machine and places the pads on the patient's chest. When the machine senses contact, it looks for the patient's electrocardiogram. If an abnormality is detected, the AED prompts the user to push a shock button, delivering a charge to the heart.

"In essence, the AED looks at the electrical activity in the heart," said Jones, who teaches advanced cardiac life support for the American Heart Association. "The machine automatically interprets the electrocardiogram. Based on that evaluation, the AED decides whether a shock of the heart rhythm is indicated. It is a pretty smart machine and is very effective."

"Before the emergence of AEDs, only emergency personnel and paramedics could defibrillate patients before they got to the hospital. Since these machines are safe and easy to operate, the lay public can use them. We recommend and encourage training in CPR and basic AED use."

AEDs are gaining wide acceptance across the country. They are standard equipment on many airlines and can be found in shopping malls, office buildings and fitness centers. On the University Park campus, Penn State Police has two units, Intercollegiate Athletics has five for use by athletic trainers, there is one at the Ice Pavilion and The Nittany Lion Inn, and two at The Penn State Conference Center Hotel. Emergency Medical Services has 13 units for use by its emergency medical technicians and paramedics. AEDs also can be found on a number of other campuses, including Altoona, Erie, Harrisburg, Mont Alto, Schuylkill, Wilkes-Barre and York.

Units currently placed at the University are approximately the size of a desk dictionary and weigh about four pounds. They range in cost from \$1,500 to \$3,000.

Penn State Police keeps one AED at department headquarters and the other in a patrol car. All Police Service Officers are certified as Red Cross emergency responders and, as such, are trained in cardio pulmonary resuscitation (CPR) and the use of AEDs.

"Fortunately, we have not had to use our units yet," said Police Services Officer John Torres, who is responsible for training in the department. "There was an instance where one might have been, but the ambulance arrived and the EMTs handled the patient. They have proved to be vital in many cases reported in the media and really can make a difference."

Torres noted that CPR is an important adjunct to AED units. And, if an AED is not available, he said, early CPR by someone trained in the procedure could be crucial until the arrival of emergency services. "Early CPR helps circulate oxygenated blood to all of the body's vital organs until defibrillation and advanced life support can be provided."

In light of increasing interest in AEDs, the University has established a policy for University units which choose to use an AED in Penn State facilities or vehicles. The policy, SY22, was developed jointly by the Office of Environmental Health and Safety and University Health Services.

Maurine Claver, director of Environmental Health and Safety, said it was designed to ensure proper training of users, appropriate medical oversight, and documentation and maintenance.

"We want to be certain that personnel are properly trained and that the devices are properly installed and posted so that members of the University community, visitors and others can use them when they need to," she added. "The first minutes in any cardiac situation are critical. AED operators can get to a patient quickly, often before the police or emergency medical technicians arrive."

Under the policy, which went into effect last July, the Office of Emergency Medical Services is responsible for assisting administrative units in making decisions on AED purchases, placement and use. Both EMS and Penn State Police offer training in CPR and AED use.

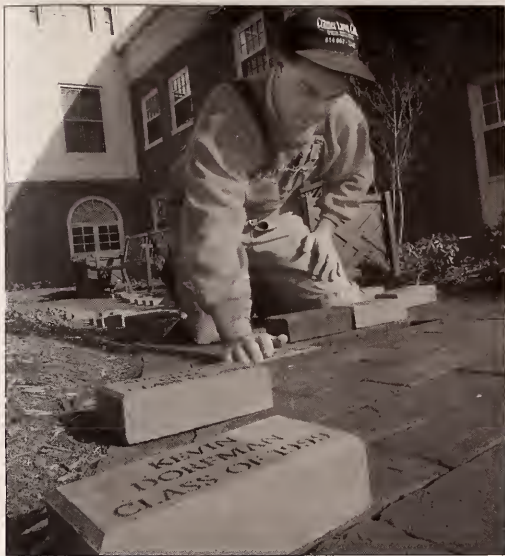
"While the AEDs are easy to operate," Jones said, "it is important in any cardiac situation to have someone trained in CPR available. There should be a commitment from a staff standpoint. In public areas, we need to be certain that, if someone from the general public uses the device, there is a trained staff member nearby. The machines at The Nittany Lion Inn and The Penn State, for example, are placed in cabinets. When the cabinet is opened, an alarm sounds and alerts a trained staff member."

None of the AEDs has been put to use since the policy was established, but Jones expects more to be purchased and placed in University facilities.

"In the future, the machines will be smaller, more reliable and, probably, less expensive," he said. "While cost will continue to be a major factor, there is no question that they work and save lives."

Bill Campbell can be reached at wjc1@psu.edu.

Paving the way



Gary Meyers, a mason in the Office of Physical Plant, places bricks for a new Schreyer Walk of Honor in the walkway around the college at University Park.

Photo: Greg Gleico

Online registration available for HRDC programs

The Office of Human Resources recently introduced online registration for Human Resource Development Center programs.

Faculty and staff now may register for programs by using either the printed registration form in the back of the center's catalog or the new Web-based registration option at <http://www.ohr.psu.edu/hrdc/programs.cfm>.

As an introductory offer, faculty and staff will receive a \$5 discount for each program when they use the online option.

In addition to using the online registration system to enroll in individual pro-

grams, faculty and staff also may use the system to browse the center's comprehensive list of offerings to identify customized programs that may be requested for their college, department, team or group. The center accommodates requests for existing programs, modifications to or combinations of existing programs, as well as tailored programs created for a particular group.

To improve the new online registration system, faculty and staff are encouraged to forward any questions, concerns or suggestions via e-mail to hrdc@psu.edu or call (814) 865-7922.

LEAVE OF ABSENCE

The following leave of absence recently was approved, in addition to the listing that appeared in the Feb. 7 edition of *Intercom*. Leaves of absence are granted for purposes of intensive study or research that will increase the quality of the individual's future contribution to the University.

■ **Barry Voight**, professor of geology and geo-environmental engineering in College of Earth and Mineral Sciences, to monitor the currently active volcanic systems and to conduct research on magma dynamics and eruption forecasting at Montserrat, West Indies.

Infusion

Continued from page 1

Her question sparked a discussion on perceptions, global citizenship, cultural shifts and critical thinking. "There's a lot of different ways to look at the dots," one participant mused. "The way the information was presented confuses and colors the message. How do we help students interpret that map?"

The discussion was part of the College of Agricultural Science's commitment to curriculum infusion, a process that changes the way faculty teach and present material to gain multicultural perspectives. The methods of infusing curriculum may include choice of textbooks, supplementary reading, case studies or learning activities.

Cathleen Love, associate vice provost for educational equality, who is in charge of the project, calls the process a "gentle nudging," a way to break the cycle of exclusion.

The pilot program in the College of Agricultural Sciences includes 15 professors, teaching a wide variety of topics ranging from poultry science to resource management, dedicated to the yearlong program. Each has chosen a course to "infuse." Their goals: Make the course content more inclusive and encourage interaction among student groups.

The College of Agricultural Sciences already offers freshman seminars in critical thinking and ethics that are threaded with multiculturalism, according to Barbara Wade, programs coordinator. Curriculum infusion was a logical next step, Love said.

The group in the college has made a commitment of time and resources, attending a total of five, three-hour roundtables and three days of retreats, armed with a syllabus to be revised. The 15 reworked courses, each with an accompanying bibliography of source material, will be introduced this fall. Two grants, totaling \$28,000, from the Office of Undergraduate Education and the Office of Educational Equality, are funding the project.

Why go through the process? A majority of the faculty on campuses today were taught in homogenous environments, Love said. "We are taught a specific history, a limited literature" and today's curricula reflects that basis of knowledge.

"There are ways that we can teach that can be more inclusive," she said. "Just in the way we group students enhances the way they learn. We can expand perception, increase critical thinking. There can be more of a focus on what students have learned, not what did I teach."

The faculty working on the project "find themselves reading things differently, looking at the media differently," Love said. "We've been required in this country to show as normal the white European perspective. In this project we open up our students to a global look at context."

For example, Grace Wang, assistant professor in natural resource policy, has chosen to revamp an upper-level undergraduate class on natural resource policy that she's taught for four years.

"I've started implementing some of things from the meetings, introducing diverse viewpoints, not just ethnic viewpoints," she said. "For example on hunting, I give scientific information, as well as different people's perspectives — animal rights activists, hunters, managers and biologists."

Guy Barbato, associate professor of poultry science, said he's very positive about the process.

"I prefer the goal of having an infused curriculum as opposed to saying, 'OK here's an hour, now you're going to learn all about diversity,'" he said. "It seems to me you communicate values on a day-to-day basis instead of just throwing it in."

For Barbato, the process has helped him find what resources are available to infuse his classes as well as the opportunity for positive, supportive dialogues with colleagues.

"Faculty spend a lot of time thinking about the details of what we teach, but not necessarily the manner in which we teach or how to convey the context of the information we teach," he said. "It's been very valuable to talk to people who think about these things."

Barbato is considering two courses for curriculum infusion: a freshman seminar and a course on genetics.

"There are literally thousands of vertebrate organisms and their genomes out there," he said. "Which ones do you choose for investigation and why do you choose them?"

The program already is seeing results. A professor told Love he decided to reteach a student who did not speak English as her native language after realizing she didn't understand the exam question terminology. As a result of being exposed to curriculum infusion, the professor was more focused on measuring what the student had learned, not what he taught.

Love is optimistic about the outcome of the infusion project.

"Each of the 15 have chosen one course to infuse diversity," she said. "This spins off because you start examining what you do in all your courses."

"There's a whole side of me that believes no one wakes up in the morning and says 'how can I be a racist today?'" Love said. "We just have not taken the time to examine our thinking and behavior so that what we teach is inclusive of all our students. As faculty, we need to model the importance of being sensitive to all perspectives in our very diverse world."

Julie A. Brink can be reached at jab81@psu.edu.



Lectures

Biological lectures focus on eye lens, cornea

Joram Piatigorsky, chief of the National Eye Institute's Laboratory of Molecular and Developmental Biology at the National Institutes of Health, will present the 2002 Marker Lectures in Evolutionary Biology from April 1 to 3 on the University Park campus.

The series of three free public lectures is sponsored by the Department of Biology and the Eberly College of Science.

The series, titled "Evolution of the Eye Lens and Cornea: From Jellyfish to Mammals," includes a lecture intended for a



Joram Piatigorsky

general scientific audience titled "Borrowing Proteins During Lens Evolution: A Pragmatic Strategy" at 7 p.m. Monday, April 1, in the boardroom at The Nittany Lion Inn.

Piatigorsky also will give two specialized lectures on April 2 and 3. He will present "The Mystery of the Abundant Corneal Proteins" at 3 p.m. April 2 in 111 Wartik Laboratory and "Evolution of Crystallin Gene Regulation" on at 1 p.m. April 3 in 112 Buckhout Laboratory.

Speaker focuses on strength through diversity

Freeman A. Hrabowski III, president of the University of Maryland, Baltimore County, will be the guest speaker at the Harold K. Schilling Lecture on Inclusiveness at 3 p.m. April 4 in the boardroom of The Nittany Lion Inn on the University Park campus.

His topic is "Strength Through Diversity: Strategies for Building an Inclusive Graduate Research Community."

Hrabowski is co-author of the books, *Beating the Odds: Raising Academically Successful African-American Males and Overcoming the Odds: Raising Academically Successful African-American Young Women*. He will be available for book signings immediately following his talk. A reception also will be held.

For information, e-mail Evelyn M. Ellis at eme1@psu.edu.



Freeman Hrabowski III

Author, trustee to speak at women's conference

The Women's Leadership Conference 2002 Perspectives will be held April 2 and repeated April 3 at The Penn State Conference Center Hotel on the University Park campus.

Author and humorist Loretta LaRoche is the keynote speaker, and Board of Trustees vice-chair Cynthia Baldwin, Allegheny County Court of Common Pleas judge, is the opening plenary.

A variety of seminars will be offered under general headings such as "Financial Planning for Women," "Career Movers in Advancement," "From Peer to Supervisor," "Intergenerational Living," "Healing What Hurts" and

"The Soup Has Many Eyes: Surviving the Unthinkable."

A "Dress for Success Suit Drive" is being held as part of the conference. Participants are requested to donate gently used and appropriate business attire to Success Lackawanna, a nonprofit organization that provides professional work clothing to low-income women making the transition into the work force.

Brochures, including a registration form, will be distributed to women throughout the University and the surrounding community. For information, call the Human Resource Development Center at (814) 865-8216.

Investigator to lecture on Trade Center collapse

W. Gene Corley, lead investigator in the World Trade Center collapse and senior vice president of Construction Technology Laboratories, will present the Thomas C. Kavanagh Memorial Structural Engineering Lecture at 7:30 p.m. April 4 at the Applied Research Laboratory Auditorium on the University Park campus.

Corley headed the six-month investigation organized by the Federal Emergency Management Agency and the American Society of Civil Engineers. The team's recommendations were recently delivered to the House Science Committee.

Corley will discuss "Learning from Col-

lapses: From Oklahoma City to the World Trade Center." He will describe how structural collapses occur when man and/or nature apply forces to buildings beyond what their structures can support. Corley will discuss what is learned from such catastrophes and the building performance studies that are done to reduce losses in the future.

He will draw on his experience in conducting building performance studies for a variety of cases and explain the procedures he used in studies involving the Oklahoma City and World Trade Center disasters.

The event is free to the public.

Breast cancer satellite conference set for April 4

The Appalachia Cancer Network will be the host for a national satellite conference, "Environment and Breast Cancer: Education for Change," from 12:45 to 3:15 p.m. Thursday, April 4, in 106 HUB-Robeson Center on the University Park campus.

The program is a project of Cornell University's Program on Breast Cancer and Environmental Risk Factors and is targeted for educators working with women,

girls, families and communities to teach connections between female health and environmental risk factors. Physical activity and healthy eating, limited exposure to environmental chemicals and breast cancer risk reduction topics will be addressed by nationally known researchers.

For information, go to <http://www.cc.cornell.edu/becpf/>. To register, call Cristina at (814) 863-8693.

Speaker plans to offer glimpse at 'Internet III'

Educator and author Arthur Esch will offer a glimpse of the next generation of the Internet and e-business when he delivers the spring Industry Leaders Lecture at 3:30 p.m. April 5 in the Keller Building Auditorium on the University Park campus.

The event is sponsored by the School of Information Sciences and Technology.

Esch, who is known as the "Father of

Desktop News," will speak on "Internet III and Your First Million." Esch is a columnist, patent-holder and adviser to organizations pursuing e-business. In the 1990s, he played a pivotal role in the creation of NBC Desktop News, the first digital television network and a pioneering effort which transformed personal computers into TV sets where users could receive personalized news.

Ethicist Josephson will present Oweida Lecture

Michael Josephson, founder of the Joseph and Edna Josephson Institute of Ethics, will present the Oweida Lecture in Journalism Ethics at 7 p.m. Tuesday, April 2, in 104 Keller Building on the University Park campus.

Josephson is the founder of the Character Counts! Coalition, which provides character-building curricula and teaches ethical

values to children. He conducts more than 50 programs each year on the subjects of ethics and character.

Established in 1994, the Dr. N.N. Oweida Lecture in Journalism Ethics is supported by an endowment from Margaret L. Oweida in memory of her husband, the late N.N. Oweida, a surgeon.

Weintraub to talk about 1914 Christmas truce

The Comparative Literature Luncheon, a weekly informal lunchtime gathering of students, faculty and other members of the University community, has announced the next speaker in this semester's series.

The events begin with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy some-

thing in Kern Cafeteria. Coffee and tea are provided. The speaker will begin at about 12:40 p.m. The events are free to the public.

Stanley Weintraub, professor emeritus of arts and humanities, will discuss "Henry Williamson, Adolf Hitler and the Obsessive 1914 Christmas Truce" on April 1.

For information, e-mail Daniel Walden at dkw8@psu.edu.

Colloquium to address brain growth effects

Robert Sylwester, author and emeritus professor of education at the University of Oregon, will present the colloquium "Present at the Maturation of Our Brain" on April 4 at Pennsylvania College of Technology.

The program, which is free to the public, will be offered from 7 to 9 p.m. in A122 Hager Lifelong Education Center.

The nontechnical presentation will describe the brain's organization and extended development and will address the implications for adolescent and adult education.

A shorter, informal version of the program will be presented from 8:30 to 9:30 a.m. April 5 in W205 Breuder Advanced Technology and Health Sciences Center.

Author of Cheese Monkeys to read, sign books

Book designer and author Chip Kidd will speak at 5:30 p.m. April 4 in Foster Auditorium, 101 Pattee Library, University Park.

His presentation will feature a reading from his debut novel, *The Cheese Monkeys: A Novel in Two Semesters*, a portrait of the designer as a young man at a notso-anonymous "State U." Some readers will recognize Penn State and the State College community.

The presentation is part of "Smart Books, Smart Design," an exhibition spotlighting the contributions of design and production to scholarly publishing, on display through May 3 in the Diversity Room of Pattee Library.

Kidd, a Penn State alumnus, will sign copies of *The Cheese Monkeys* following the address.

For information call, (814) 865-1327.



More Lectures

Session looks at migrant, immigrant health care

A conference on "Migrant and Immigrant Health in Rural Pennsylvania: Finding a Home for Health Care" will take place April 9 at The Penn State Conference Center Hotel on the University Park campus.

Cosponsored by the Pennsylvania Office of Rural Health and the Pennsylvania Department of Health, it is the first statewide conference devoted entirely to exploring health-care issues impacting immigrants and migrant farm workers.

Through interactive sessions and engaged dialogue, participants will address: Immigrant legal issues; migrant health education, issues related to violence; health-care accessibility concerns; diseases such as tuberculosis and diabetes; substance abuse and prevention, and advice on providing "culturally sensitive" health-care services.

For information, call Lisa Davis at (814) 863-8214 or e-mail lad3@psu.edu.

Conference focuses on leadership training

The Executive Leadership and Management Program for Academic Department Heads will hold a conference on leadership challenges Oct. 15 to 18 at the Thompson Professional Development Center at Pennsylvania College of Technology.

The program will feature Robert Ricketts, senior lecturer in kinesiology and professor in charge of the Department of Undergraduate Programs; Al Viceri, executive education professor of strategic leadership; Craig McAllister, dean of the Crumpler Graduate School of Business, Rollins

College; Rodney A. Erickson, executive vice president and provost; and John A. Brighton, chair of the Teaching and Learning Consortium, executive vice president and provost emeritus.

For information about the conference, call (814) 865-4442 or e-mail Brighton at jbrighton@psu.edu. Check the Web at http://www.psu.edu/dept/tlc/mission/exec_leadership.html.

The deadline for conference applications is May 1. Participants will be notified by June.

Conference focuses on 'Learning Without Walls'

"Learning Without Walls" will be the theme of the 2002 Faculty Academy to be held June 30 through July 2 on the University Park campus.

The three-day conference will focus on adopting problem-based learning approaches in an online educational environment.

- Topics for this year's academy are:
- Identifying and creating technology-assisted problem scenarios;
 - Exploring the many faces of problem-based learning in an online world;
 - Assessing the performance of students in problem-based settings;
 - Using technology to enhance learning and support the educational process;
 - Confirming the learning space to

extend beyond the four walls of the classroom;

- Providing secure, wireless learning spaces to enable mobile classrooms;
- Empowering teams to strive for excellence;
- Creating community-based learning opportunities;
- Gaining administrative support; and
- Predicting and preparing for future trends.

For registration information, call Maleka N. Moore at (814) 865-7724 or e-mail mmoree@ist.psu.edu. The Faculty Academy Web site is located at <http://www.pafaculty.org>.

Speaker's topic is 'anticipatory representation'

Helene Intraub, a professor in the Department of Psychology at the University of Delaware, will give a lecture from 4 to 5:30 p.m. Thursday, April 4, at 352 Moore Building.

The title of the presentation is "When the Future is Part of the Past: Anticipatory Representation of Natural Scenes."

World Trade Towers collapse explored in talk

Lee Eckert, vice president and head of structural engineering for Quad Three Group Inc., will lead a discussion on "The Anatomy of a Collapse" as part of a program at 7 p.m. Monday, April 8, in the Study Learning Center on the Penn State Worthington Scranton campus.

Eckert's discussion will be preceded by a 50-minute video on the planning, design and construction of the World Trade Center.

The event is free to the public. For information, call (570) 963-2575.

NEWS IN BRIEF

Fulbright Grant information

An information session for the 2003-2004 Fulbright Grants will be held from 3:30 to 4:30 p.m. Thursday, April 4, in 112 Osmond Building on the University Park campus.

The Fulbright grants are awarded annually to graduating seniors and young professionals who hold a bachelor's degree or its equivalent by the beginning of the date of the grant. Creative and performing artists are not required to have a bachelor's degree, but they must have four years of relevant training or study.

To apply for these grants, students must graduate before August 2003.

More information is available on the Web at <http://www.iet.org/fulbright>.

Rhodes Scholarship representative to visit

The Undergraduate Fellowships Office will be host for a visit by Vishwajit L. Nimgaonkar, state secretary for the Rhodes Scholarship, on April 10.

In addition to meeting with Executive Vice President and Provost Rodney Erickson, Vice Provost and Dean of Undergraduate Education John Cahir and Associate Vice Provost and Associate Dean of Undergraduate Education Ingrid Blood, Nimgaonkar will hold an all-student, question-and-answer session in the Schreyer Honors College, Grandfather Clock Lounge, at 2 p.m. Faculty are asked to encourage students from across the University to attend.

The Rhodes Scholarship pays for up to three years of graduate study in any field at Oxford University in England. Applicants must be graduates under the age of 24 by the start of their year at Oxford.

Job Fair

Penn State Worthington Scranton Career Services will hold a Job Fair from 11 a.m. to 2 p.m. Thursday, April 11, in the Multipurpose Building on campus.

The fair will feature participation from area businesses and organizations. For information, call (570) 963-2685.

Used Book Sale

The 41st American Association of University Women Used Book Sale will be from 9 a.m. to 9 p.m. May 4 to 7 at the Ag Arena on the University Park campus.

More than 250,000 used books, paperbacks, tapes, CDs, maps, special magazines and sheet music will be for sale. The event benefits fellowships and educational projects. Monday, May 6, is half-price day and Tuesday, May 7, is Bag Day.

Admission is free and parking is available.

Parking permit procedure

University departments that are paying for

parking permits for interns are reminded that the following procedure must be used:

When seeking payment of a monthly parking permit with University funds, a written request must be sent to the corporate controller for approval. The request should include the name of the individual that the permit is for and a brief description of the service to be provided by the individual to the University. This request must be approved by the budget executive and the financial officer before being submitted to the corporate controller. If these approvals are not obtained, the request will be returned to the budget executive.

If the request is approved, the controller's office will send the approved original request to the budget executive via interoffice mail. Copies of the approved request will be sent to the financial officer for payment processing and to the Parking Office.

If the request is denied, the controller's office will notify the budget executive's office by interoffice mail, e-mail or phone. This procedure does not apply to daily or weekly parking fees.

For information, call Dave Dorman at (814) 865-1436.

Technology assistance for faculty

Faculty members can apply to have a technology-savvy student assist them with computer skills and technologies for teaching and class activities.

Through the Technology Learning Assistant program, students tutor faculty in their offices on basic computing skills, e-mail, the University's Course Management System and more.

For information, visit <http://cac.psu.edu/ila/>. To have an assistant during the fall, online applications should be submitted by April 8 using the form at <http://cac.psu.edu/ila/facapp.html>.

ISTeam records building progress

The School of Information Sciences and Technology (IST) has a new Web camera that offers real-time views of the construction of the Information Sciences and Technology Building on the University Park campus.

ISTeam can be viewed at <http://ist.psu.edu/cam> or by visiting the IST home page (<http://ist.psu.edu>) and following the ISTeam link.

The camera perches inside a steel pent on a fourth-floor window sill in Earth Sciences and Engineering Building on the western portion of the University Park campus. It provides a full-length view of the 1,065-foot-long building's construction site from the northwest.

Completion of the project is slated for late 2003. The building, which will bridge North Atherton Street (Business U.S. Route 322), will house both IST and the Department of Computer Science and Engineering.



Private Giving

Leading the Way The Faculty and Staff Campaign 2002

"A university is a crucible for society. Experiments take place, information is gathered and analyzed, and wisdom is passed on. I give as a token of my gratitude for being allowed to earn my living from doing what I love to do — mold young minds, and find new results."

— Akhlesh Lakhtakia, professor of Engineering Science and mechanics. He joined the University in 1983.

For information on faculty and staff giving, check the Web at <http://www.development.psu.edu/WaysToGive/AnnualFund/facultystaff.asp>



THE
PENN STATE
CAMPAIGN



Gift of \$2 million boosts construction of business building

Construction of a new building for The Smeal College of Business on the University Park campus has received a \$2 million boost from alumnus Ric Struthers and his wife, Sharon.

Ric Struthers is executive vice chairman of MBNA America Bank, based in Wilmington, Del. The gift includes a contribution from MBNA in his name. He graduated from Smeal College in 1977 with a degree in business management.

Penn State's five-year capital improvement plan calls for a \$60-million business building, financed by \$35 million in University funds and \$25 million in private support. Completion is scheduled by the fall of 2005.

The Smeal College enrolls more than 6,000 students at all levels. Currently, undergraduate classes for business students are spread across a half-dozen campus buildings, and existing facilities will have difficulty keeping pace with rapid developments in technology that affect business education. At an estimated 210,000 square feet, the business building is projected to be the largest academic building on the University Park campus and part of one of the largest business school complexes in the country. It will include such features as classrooms, specialized instructional studios, research laboratories, team study rooms, faculty and graduate student offices, an auditorium,

interview rooms and administrative offices.

The Struthers previously endowed several scholarships at the University that benefit students from Ric Struthers' hometown of Wilkes-Barre, and from Wilmington, Del., as well as sophomores and juniors in The Smeal College. The couple also supported construction of the MBNA Career Services Center with a \$250,000 gift.

Ric Struthers is a member of The Smeal College Board of Visitors and the steering committee of the Grand Destiny capital campaign. He is a 1998 recipient of the Alumni Fellow Award and recently received the Distinguished Alumni Award, the highest alumni award the University bestows.

Performances, posters featured at annual exhibition

The 11th Annual Undergraduate Exhibition will be held from noon to 5 p.m. Thursday, April 4, and 8 a.m. to 1:30 p.m. Friday, April 5, in Alumni Hall, HUB-Robeson Center on the University Park campus.

Approximately 96 poster exhibits will be on display illustrating undergraduate research by students from every academic college at the University. The performance portion of the exhibition will showcase seven students who will present musical pieces and theatrical readings. They will perform at 1:30 p.m. Friday, April 5, in Alumni Hall.

Each poster entry and performance is judged by two faculty members and one student. Selected top entries in each category will share \$2,500 in cash prizes including the \$500 Gerard A. Hauser Prize for the best overall poster presentation.

The awards ceremony will be at 4 p.m. Friday, April 5, with John Cahir, vice provost and dean of the Office of Undergraduate Education, and Cheryl Achterberg, dean of the Schreyer Honors College, presiding.

More than 20 of the students participating in the exhibition also will present their research at the National Conference on Undergraduate Research on April 25 to 27 in Whitewater, Wis.

To read more about the exhibition, visit <http://www.shc.psu.edu/UE2002>. Abstracts from each participant are now online. The exhibition is free to the public.

COURSES

'Biological Abstracts'

University Libraries are offering two hands-on sessions on using the new Web-based version of "Biological Abstracts," an expansive database for life sciences research.

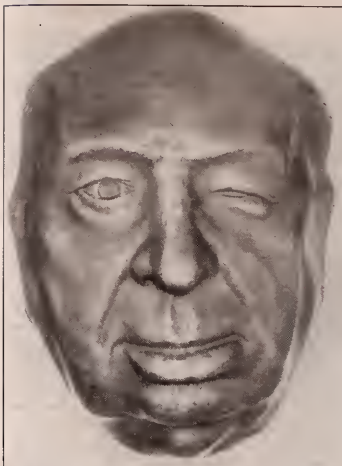
The free training sessions will be held from 10 a.m. to noon and 2 to 4 p.m. Wednesday, April 3, in 302 Paterno Library on University Park campus. The sessions will be conducted by Myrna Shields, senior trainer/educator for BIOSIS, a not-for-profit organization that helps researchers, educators, students and others access information related to the life sciences.

The sessions are recommended for anyone studying the life sciences or related fields. No registration is required. For information, call Kathy Pescemeyer at (814) 865-7056 or e-mail kaf12@psu.edu.

Keep on top of the latest University news through the **Employee Newsline**. Just go to the Web at <http://newswire.psu.edu/> to sign up.



Arts & Entertainment



Hands Across the Sea: Medallion Art from Poland and America, an exhibition of 215 contemporary American and Polish medallions, is on display in the HUB-Robeson Center on the University Park campus through May 1. Penn State is one of only two venues in this country to display this exhibit. After closing here, the medallions will return to Poland.

Nelly hip-hops into town

Rapper Nelly, with special guest **BRUCE JORDAN CENTER**, will perform at 8 p.m. Friday, April 19, at The Bryce Jordan Center on the University Park campus. The rapper's 2000 release "Country Grammar" featured the hits "Ride Wit Me" and "Country Grammar." A new release made in collaboration with NSync's Justin Timberlake, "Nellyville," is coming this spring. Tickets cost \$29.50.

Tickets can be purchased at The Bryce Jordan Ticket Center, Eisenhower Auditorium, select Uni-Mart's, Commonwealth Campus ticket outlets, by phone at (814) 865-5555 or (800) 863-3336 and online at <http://www.bjc.psu.edu/>.

BOOK SHELF

Turgay Ertekin, professor of petroleum and natural gas engineering and the George E. Trimble chair in earth and mineral sciences.

Basic Applied Reservoir Simulation, Society of Petroleum Engineers.

The 11-chapter textbook, co-authored with **Iman H. Abou-Kassem**, professor of petroleum engineering at the United Arab

Emirates University, and **Gregory R. King**, petroleum engineering adviser of Chevron Overseas Petroleum Co. Inc., provides comprehensive coverage of numerical reservoir simulation from fundamentals to field applications. Written for senior-level undergraduates and graduate students, it includes 157 solved problems and 176 exercises.

Refik Culpnan, professor of management at Penn State Harrisburg.

Global Business Alliances, published by Quorum Books, 2002.

This book is a road map to the concepts and theories underlying successful business alliances in four critical industries: automobile manufacturing, pharma-

ceuticals, airlines and telecommunications. It offers the essentials of global partnering from a strategic management viewpoint by examining both equity alliances (joint ventures, equity participations) and non-equity alliances (contractual ventures) within decision-making models.

Indian dance troupe

Nrityagram Dance Ensemble of India explores the feminine consciousness in "Sri (In Search of the Goddess)," a performance at 7:30 p.m. Wednesday, April 3, in Eisenhower Auditorium on the University Park campus.

Artistic Viewpoints, an informal discussion featuring Lynn Fernandez, Nrityagram managing director, is offered in the Eisenhower Auditorium Conference Room one hour before the performance and is free for ticket holders.

Tickets cost \$25 for general audience members; \$20 for students; \$10 for University Park students; and \$13 for children 12 and younger. Call (814) 863-0255 or (800) ARTS-TIX. For information, visit <http://www.cpa.psu.edu> on the Web.

'Godspell' arrives

Penn State Altoona will open its spring musical production of "Godspell" at 8 p.m. April 11 in the Paul R. and Margery Wolf Kuhn Theatre of the Community Arts Center. Performances run through Saturday, April 20.

Tickets cost \$3 for students, \$5 for groups of 20 or more and \$7 regular admission. Call (814) 949-5452. For information, check the Web at <http://www.ua.psu.edu/cac/>.

Chamber music performance

The Kalichstein-Laredo-Robinson Trio and The Emerson String Quartet will perform at 8 p.m. Saturday, April 13, in Schwab Auditorium on the University Park campus.

The two chamber ensembles are celebrating their 25th anniversaries.

Artistic Viewpoints, an informal discussion about the performance that provides insight from an artist or expert perspective, is offered in Schwab Auditorium one hour before the performance and is free for ticket holders.

Ticket prices for sections one and two are \$24 and \$20 for general audience members; \$20 and \$16 for students; \$10 and \$6 for University Park students; and \$12 and \$9 for children 12 and younger. Call (814) 863-0255 or (800) ARTS-TIX.

For information, visit <http://www.cpa.psu.edu> on the Web.

'Afternoon at the Arts'

"An Afternoon at the Arts" will continue with "Requiem" by Giuseppe Verdi at 2:30 p.m. Sunday, April 14, in 112 Woodland Building on the Penn State Abington campus.

David Haynes, conductor and music director of The Philadelphia Singers, will discuss this 1874 masterpiece, which will be featured as the opening performance of the Philadelphia Orchestra's International Season. The fee is \$8 for the lecture.

For information and registration, call (215) 881-7661.

Spring Dance Concert

The annual Spring Dance Concert will be performed at 8

p.m. April 18 and 19 on the Mezzanine of the Physical Education Building on the Penn State Abington campus.

Tickets are \$5 for adults and \$1 for children under 12 years of age.

For information, call (215) 881-7661.

'Much Ado About Nothing'

The Spring Theater Showcase will feature William Shakespeare's "Much Ado about Nothing" at 8 p.m. April 19, 20, 25, 26 and 27 on the Helen Buck O'Neill Stage in the Sutherland Auditorium on the Penn State Abington campus. Tickets are \$5 per person.

For information, call (215) 881-7661.

Art exhibit

The fourth annual Student Art Exhibit will be held April 7 through 24 in the Woodland Library on the Penn State Abington campus.

An opening reception will be held from 2 to 4 p.m. Sunday, April 7, in the library. The multi-media exhibition by students includes sculptures, ceramics, paintings and drawings. The reception is free to the public.

For information, call (215) 881-7661.

Photos exhibited

Winning photos from the 2001/2002 Outdoor Writers Association of America/Nikon Sports Optics photography contest will be on display April 1 through 26 at the Penn State Worthington Scranton Library. The exhibit is free to the public. For information, call (570) 963-2630.

Polynesian dance

Penn State Worthington Scranton will hold a Polynesian music and dance performance at noon Friday, April 26, in the Study Learning Center. The event is free to the public. For information, call (570) 963-2700.

Exhibit highlights Holocaust

"The Nazi Scourge: Postal Evidence of the Holocaust and the Devastation of Europe," a collection and exhibit by Ken Lawrence, will be exhibited through May in the Kern Building Exhibition Area on the University Park campus.

Mail posted by Nazi officials, their allies, their collaborators and most of all, their victims and opponents, along with collateral material, documents the catastrophe that befell Europe after Adolf Hitler assumed power in Germany on Jan. 30, 1933. This exhibit explores each phase of Nazi tyranny and aggression, with particular attention to persecution and mass murder of European Jews. Equally important is mail of the anti-Nazi resistance, showing how organized groups rose up and fought against their fascist tormentors. Highlights include cards and letters from every major concentration camp and Jewish ghetto.

For information, check the Web at <http://www.sa.psu.edu/galleries>.



University Park Calendar

March 29 - April 7

SPECIAL EVENTS

Friday, March 29

Joyce Robinson, gallery talk on "Carrie Mae Weems: Jefferson Suite," with a dance performance by the Pennsylvania Dance Theater, 7:30 p.m., Palmer Museum of Art.
 Trolus and Oressida & Macbeth, 8 p.m.
 March 29 and 3D, 2 p.m., March 30; Pavilion Theatre. For tickets, call (814) 863-0255.
 "Condensed Classics," 8 p.m., March 29 and 3D; 2 p.m., March 30; The Playhouse. For tickets, call (814) 863-0255.

Thursday, April 4

11th Annual Undergraduate Exhibition, Alumni Hall, HUB-Robeson Center, through April 5.

Friday, April 5

"John Paul Caponigro," gallery talk by Erin Firestone, noon, Palmer Upcon Auditorium.

Saturday, April 6

Coaches vs. Cancer 5K run/walk and kids' fun run, 1D a.m., Intramural Building.

MUSIC

Wednesday, April 3

"Sri," Nrtiyagram Dance Ensemble of India, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Friday, April 5

Jazz musicians Archie Shepp and Roswell Rudd with Andrew Cyrille and Reggie Workman, will perform with poet and activist Amiri Baraka, 8 p.m., Schwab Auditorium.

Saturday, April 6

Wynton Marsalis and the Lincoln Center Orchestra, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

SEMINARS

Friday, March 29

Sven Fuhrmann on "Navigating Desktop Geovirtual Environments," 4 p.m., 3D1 Steidle.

Saturday, March 30

Peter R. Cavanagh on "A History of Humans in Space: The Politics, the Science and the Social Context," 11 a.m., 10D Thomas.

Monday, April 1

Atanas Routov on "Dataflow Analysis of Software Fragments: Beyond Whole-Program Analysis," 1D a.m., 3D2 Pond Laboratory.
 Marisa Kozlowski on "Development of Novel Ligands for Asymmetric Synthesis," 11:15 a.m., 5S Osmond Laboratory.

Theresa Mayer, Suzanne Mohney and Joan Redwing on "Semicustomized Nanowire Seed Progress Report," noon, 339 Davey Lab.
 Stanley Weintraub on "Henry Williamson, Adolf Hitler and the Obsessive 1914 Christmas Truce," 12:40 p.m., 102 Ken.

Keith Riles on "Status of the LIGD Experiment," 3 p.m., 118 Osmond Laboratory.
 Paul Tiesinga on "How to Compute with Neural Synchrony," 3:30 p.m., 339 Davey Lab.
 Joram Piatigorsky on "Borrowing Proteins During Lens Evolution: A Pragmatic Strategy," 7 p.m., The Nittany Lion Inn boardroom.

Carrie Mae Weems on "The Jefferson Suite," 7:30 p.m., HUB-Robeson Heritage Hall.

Tuesday, April 2

Loretta LaRoche on "The Joy of Stress: Humor as a Coping Mechanism," 11:30 a.m., The Nittany Lion Inn. For tickets, call (814) 865-7590.



"The Many Realms of King Arthur," an exhibit based on the Arthuriana collections of the Newberry Library in Chicago and the New York Public Library, will be on display in the Pattee Library on the University Park campus through May 10.

Joram Piatigorsky on "The Mystery of the Abundant Corneal Proteins," 3 p.m., 111 Wartik Laboratory.

Albert Jin on "Atomic Force Microscopy of Protein Elasticity and Membrane Structures," 3:30 p.m., 339 Davey Laboratory.

Eric Anis on "Combinatorial Polymer Science: What's New Since Edison?" 4 p.m., 22 Deike.
 Michael Josephson, 7 p.m., 104 Keller.

Wednesday, April 3

Mark Wightman on "Watching Neurotransmitters Communicate," 11:15 a.m., 5S Osmond Laboratory.

Maximiliane E. Sainovici on "Retirement—Marital and Familial Contexts," noon, 108 Wartik Laboratory.

Joram Piatigorsky on "Evolution of Crystallin Gene Regulation," 1 p.m., 112 Buckhout Laboratory.

Ronald Kline on "Two New Sciences? Debates about Information Theory and Cybernetics in the Early Cold War," 4 p.m., 124 Agricultural Engineering.

Thursday, April 4

Mirck Riedewald on "Efficient Aggregation for Data Warehouses and Digital Libraries," 1D a.m., 3D2 Pond Laboratory.

Mark Miller on "Coalescing Black Holes and Neutron Stars in Numerical Relativity," 11:30 a.m., 318 Osmond Laboratory.
 Dr. James Connor on "Toward Understanding the Role of Ion Neurobiology: Human Diseases and Animal Models," 11:45 a.m., 339 Davey Laboratory.

Paul Barbara on "Investigating the Structure, Physics and Chemistry of Single Polymer Chains, One at a Time," 12:15 p.m., 5S Osmond Laboratory.

Freeman A. Hrabowski III on "Strength Through Diversity: Strategies for Building an Inclusive Graduate Research Community," 3 p.m., The Nittany Lion Inn boardroom.

Allen Aradi on "Diesel Ignition Processes," 3:30 p.m., C213 Coal Utilization Laboratory.
 Helene Intraud on "When the Future is Part of the Past: Anticipatory Representation of Natural Scenes," 4 to 5:30 p.m., 352 Moore.
 Robert Cava on "Superconductivity in MgCNi3—A Non-Oxide Perovskite," 4 p.m., 117 Osmond Laboratory.

Chip Kidd on his book, *The Cheese Monkeys: A Novel in Two Semesters*, 5:30 p.m., 101 Pattee Library.

W. Gene Corley on "Learning from Collapses: From Dikoma City to the World Trade Center," 7:30 p.m., Applied Research Laboratory auditorium.

Friday, April 5

Chenyang Lu on "Quality of Service in Unpredictable Computing Environments," 1D a.m., 3D2 Pond Laboratory.

John Klauder on "Affine Quantum Gravity: Principles, Progress and Promise," 11 a.m., 318 Osmond Laboratory.

Scott Powers on "Exercise-Induced Cardioprotection," 3 to 4 p.m., 127 Noll Physiological Research Center.

Arthur Esch on "Internet III and your First Million," 3:30 p.m., Keller Building auditorium.

Any Ross on "The Spatial Fix of Justice: International Law and the Prosecution of the Powerful," 4 p.m., 3D1 Steidle.

Nelly Oudshoorn on "Designing Technology and Masculinity: The Clinical Testing of the Male Pill," 4 p.m., 1D2 Weaver.

EXHIBITS

HUB-Robeson Center

"Freedom to Play: The Life and Times of Basketball's African-American Pioneers," through May 12.

"Hands Across the Sea: Medallion Art from Poland and America," through May 1.

Kern Commons exhibition area

"Images From Our Heritage: Experiences of Penn State Hillel Students in Israel," through May 12.

"The Nazi Scourge: Postal Evidence of the Holocaust and the Devastation of Europe," through May.

Palmer Museum of Art

"Sam Gilliam: Recent Prints," through May 26.
 "Digital Imagery by John Paul Caponigro," through June 2.

"Carrie Mae Weems: Jefferson Suite," through June 9.

"Pattee and Paterno Library exhibit areas: 'Smart Books, Smart Design,' through May 3.
 "The Power of Youth: 100 Years of 4-H," through April 5.

"The Many Realms of King Arthur," through May 10.

Warneck Commons

"Photographic Ethnobotany: Peruvian Plants and People," photographs by Benjamin Chermel, through May 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Awards

Eberly College of Science honors 3 for distinguished service

Two Eberly College of Science senior administrators and one faculty member have been named as recipients of the Eberly College of Science Alumni Society Distinguished Service Award.

The recipients are Joanne Cahill, director of development and alumni relations in the college; James Levin, director of advising and the Division of Undergraduate Studies programs coordinator for the college; and Svetlana Katok, professor of mathematics.

Cahill has served the University for 12 years in a development role. She manages the advancement programs, including major-gift fund-raising and alumni relations for 33,000 alumni. She planned and directed the initial stages of the college's \$50-million portion of the \$800-million university-wide capital campaign, the goals of which have since been raised to \$75 million and \$1.3 billion, respectively.

Levin has spent more than 30 years as a science and mathematics educator at the public-school and university levels.

For the past 20 years, he has taught courses in science and mathematics education and classroom management at the University. Levin has served as an educational consultant to AccuWeather Inc.

Katok, a member of the Department of Mathematics faculty since 1990, played a key role in organizing the University's Mathematics Advanced Study Semesters (MASS) program, which assembles undergraduate mathematics majors from all over the country for a mutually reinforcing blend of learning and research experiences.

She designed and taught several courses in the MASS program, and developed the Math 471 "Geometry for Teachers" course.

Good advice results in Fulbright grant for Haner

Janet Haner took her own advice, and as a result, has been awarded a Fulbright grant to attend an International Education Administrators Seminar in Germany.

Part of Haner's job as assistant to the dean for public affairs in the University Office of International Programs (UIOP) is to promote the senior Fulbright program and assist faculty in applying.

The seminar in Germany is one of three offered by Fulbright for university administrators involved in international education. The seminars seek to broaden knowledge of international higher education, enhance a sense of comparative best practices and focus on the social responsibilities of universities internationally.

Haner regards this seminar as an opportunity to update both her personal and professional international perspectives. Beyond the education imparted in classes



Janet Haner

and briefings, the chance to visit German institutions and interact with counterparts there (as well as those in the class from other state-side institutions) provide possibilities for extending professional contacts within the international education community.

Haner's position in UIOP is split between facilitating public affairs for the office and coordinating the faculty Fulbright program. She also serves as secretary to the International Council, the policy-making body for internationalization at the University.

Faculty interested in applying for a Fulbright should call Haner at (814) 865-0771 or e-mail jah3@psu.edu. They also may call John M. Keller at (844) 865-6035 or e-mail jmk13@psu.edu.

A workshop for potential applicants is scheduled for April 18 in the HUB-Robeson Center; more information on the event will be forthcoming.

Commonwealth College names Penn Staters of the Quarter

The following people are Penn Stater of the Quarter recipients for October through December.

■ **Beaver:** Carol Pistachio, staff assistant in the library. As this year's United Way Campaign chair, Pistachio's efforts contributed to having the campus more than double the contributions raised as compared to last year.

■ **Delaware County:** Joyce Rigby, registrar. Rigby effectively managed the Records Office during its busiest period despite significant staffing shortages. She had to juggle the staffing and allocation of work using temporary hires and staff assistants from other offices, all of whom had to be trained by Rigby. During this time, Rigby also was handling spring registration, fall graduation and the scheduling of trips abroad for students.

■ **DuBois:** Margaret Boman, registrar. Boman managed the processes and procedures needed to keep the registrar's area running smoothly. When the Division of Undergraduate Studies coordinator took another position at Penn State, she assumed many of the DUS coordinator's tasks as well. In her role of co-chair of the Campus Liaison Committee to the Commission for Women, she helped plan Women's History Month and was instrumental in the development of the women's history minor.

■ **Fayette:** Charlotte Stotemyer, instructor of nursing. Stotemyer helped nursing students raise money to attend the student nurse association convention in Harrisburg and also accompanied them to the conference. As part of her community service, she participated in the 5K Run/Walk at Fayette and organized the students to participate in the Festival of Trees at the Uniontown Hospital, which raised money for a nursing scholarship.

■ **Hazleton:** Jackie Ritko, instructional designer. Ritko was instrumental in expanding the technological knowledge of the students, faculty and staff. She acted to remove all technical obstacles to faculty instructional aims and worked with faculty to improve the quality of student experience, increasing both faculty and student skill in the use of instructional technology.

■ **McKeesport:** Barbara Fenton, staff assistant in Academic Affairs. Fenton not only excelled at fulfilling her responsibilities to faculty in general, she also assumed the responsibility of administrative support to the Commonwealth College Science Division. She supported the entire campus community while maintaining an exceptional level of professionalism.

■ **Mont Alto:** Deb Creager, staff assistant in University Relations. Creager assisted the acting campus executive officer and the Tuscarora Property Owners Association to bring a new \$500 award to the campus. She also wrote a grant application to fund a prospective annual fund event on campus.

■ **New Kensington:** Patrick Cronin, assistant professor of engineering. Cronin assumed the responsibility for mentoring a new faculty member by meeting with the person to assist with preparation for various lab and classroom activities.

■ **Shenango:** Greg Singer, supervisor, Computer and Information Systems. Singer worked many weekends and 12-hour days so the campus would stay current in its technology programs. He accomplished this while continuing to work on his own Information Sciences and Technology degree at the campus.

■ **Wilkes-Barre:** Paul Chocallo, mechanic A. utility. Chocallo monitored projects and handled minor problems that arose at the campus, most notably in the Athletic and Recreation Building. He also worked with instructors from the biology labs who requested class tours of the campus wastewater treatment plant.

■ **Worthington Scranton:** Mary Kay Kohut, staff assistant in Student Affairs. Kohut worked with the Veteran's Club on its American Flag Project, raising nearly \$500 for the American Red Cross. She also was instrumental in helping to make the recent Veteran's Club Memorial Dedication a success.

■ **York:** Frank Miller, registrar. Miller established a system of scheduling at York that is unlike that at any other location in its flexibility so that the campus can respond to both student and faculty needs.

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Penn Staters

Dinesh Agrawal, professor of materials and director of the Microwave Processing and Engineering Center, presented invited talks at Industrial Technology Research Institute, National Cheng Kung University and AVX, TPC Ferrite Taiwan Ltd., Taiwan, on "Recent Developments on Microwave Processing of Ceramics, Composites and Metallic Materials." He also gave an invited talk at the fifth International Refractory Congress held at Bhubaneswar, India, on "Microwave Processing of Refractory Ceramics and Metals."

Robin Becker, professor of English and women's studies, won the annual *Prairie Schooner* Strousse Award for a group of poems published in the fall 2001 issue of *Prairie Schooner* magazine. The national magazine is published by the University of Nebraska-Lincoln Department of English and the University of Nebraska Press.

Jean-Marc Bollag, professor of soil biochemistry and director of the Center for Bioremediation and Detoxification, presented three invited lectures at the Huazhong Agricultural University in Wuhan, Hubei, China. The titles were: "Use of enzymes and plant tissues in bioremediation;" "Analytical methods to determine the mechanisms of pollutant retention in soil," and "The role of phenoloxides in the transformation of pesticides in soil." He also gave a lecture at the China Agricultural University in Beijing on "Bioremediation of contaminated environmental sites." Bollag was an invited keynote speaker at an international Bioavailability Workshop held in Adelaide, Australia, where he presented "Novel analytical approach using NMR spectrometry to determine adsorption, sequestration or chemical binding of organic xenobiotics in the soil."

The Penn State Worthington Scranton Alumni Society has recognized **Peter L. Bordin**, assistant professor of hotel, restaurant and institutional management, as its most recent Alumnus of the Year. Bordin attended the Worthington Scranton campus from 1972 to 1974.

Heather Cecil, associate professor of psychology at Penn State Harrisburg, has been invited to join the editorial board of *Psychological Assessment*. Cecil also has been asked to join the editorial board for the *Journal of Sex Research* and has been elected to serve a two-year council position in the HIV/AIDS section of the American Public Health Association.

Martha T. Conklin, associate professor of hotel, restaurant and recreation management, has been appointed by the speaker of the American Dietetic Association House of Delegates to serve on that organization's Research Task Force. The task force will help the organization establish its research agenda for the next three to five years.

U.S. Secretary of Health and Human Services Tommy G. Thompson has appointed **Mona M. Counts**, Elouise Ross Eberly professor of nursing in the College of Health and Human Development, as a 2002 Primary Health Care Policy Fellow. The fellowship, created in 1991, brings together a multidisciplinary group of international primary health-care leaders with top government and private sector health-care officials to address issues related to the cost, quality and delivery of primary health-care services to all Americans.

The Pennsylvania Historical and Museum Commission has recognized work by **Ronald Foffgen**, an engineer with the Facilities Engineering Institute. In a resolution, the group praised Foffgen's consulting efforts in installing and maintaining the commission's fire and security systems throughout its historic sites and museums. He worked with the commission for three years. Foffgen received the honor during the commission's meeting in Cornwall Furnace.

Peter Forster, associate director of academic programs at the World Campus, made a presentation on the successes and challenges of delivering educational programs via distance learning to representatives of 10 countries at Bulgaria's G.S. Rakovsky Defense and Staff College in Sofia. Forster was invited by NATO's Consortium of Defense Academies and Security Studies Institutes. He is a member of the Institute for Policy Research and Evaluation which is under the Social Science Research Institute.

Richard M. Fox, professor of psychology at Penn State Harrisburg, was named an Eden Institute Princeton University Lecture fellow. The award includes a monetary prize and a public lecture delivered at Princeton.

Hershey Medical Center's Anticoagulation Clinic received the HeartFirst® Clinic Recognition Award from Bristol-Myers Squibb Co. The national award recognizes hospitals and health systems that have taken significant and specific steps to enhance the quality of patient care and patient safety.

Marlin J. Kilduff, professor of organizational behavior and interim associate dean for research and doctoral/master's programs in The Smell College of Business Administration, was appointed associate editor of *The Academy of Management Review*. His three-year appointment begins July 1.

Sridhar Komarneni, professor of clay mineralogy in the Department of Crop and Soil Sciences and Materials Research Institute, was the lead co-organizer of a symposium titled "Nanophase and Nanocomposite Materials IV" at the 2001 fall meeting of the Materials Research Society in Boston.

John M. Mason Jr., associate dean for graduate studies and research, has been appointed to one of the Transportation Research Board committees of the National Research Council. Mason, a civil engineering professor, will serve as a member of the Committee on Future Surface Transportation Agency Human Resource Needs: Strategies for Recruiting, Training and Retaining Personnel. Mason's appointment with the committee lasts through April 2003.

Raj Mittra, professor in electrical engineering, has been selected as the recipient of the Distinguished Achievement Award of the Institute of Electrical and Electronics Engineers' Antennas and Propagation Society. The award honors him for "many and varied accomplishments in electromagnetics and education."

Carol Nechemias, associate professor public policy at Penn State Harrisburg, was co-presenter at a discussion on "Women's Political Activism and Post-Soviet Gender Culture in Russia" at the Kennan Institute of the Woodrow Wilson International Center for Scholars in Washington, D.C.

Pennsylvania College of Technology earned a Crystal Award of Excellence in the "Multi-Media/Interactive CD-ROM" category of the Communicator Awards 2001 for a CD-ROM it produced. The CD-ROM, "This is the Real World," featured on-screen testimonials by Penn College students and is used by the college in a variety of recruiting efforts. Working on concept and program development for the CD-ROM were **Fred Gilmour**, who retired recently as director of instructional technology and distance learning; **Steven T. McDonald**, coordinator of instructional technology/media services; and **Elaine J. Lambert**, director of college information and community relations. The graphic design was provided by **Alex P. Bierly**, multimedia development specialist, with support from college information and community relations staff. Digital engineering and video were provided by **Bruce E. Huffman**, coordinator of digital media production; and **Christopher J. Leigh**, digital media production specialist.

The Penn State Adviser, a Division of Undergraduate Studies publication, has been selected as an Outstanding Publication Award winner by the National Academic Advising Association. The award was presented at the association's national conference in Ottawa, Ontario, Canada. Authors are **Joyce B. Buck**, Division of Undergraduate Studies programs coordinator for the College of Arts and Architecture; **John W. Moore**, associate professor of English and comparative literature; **Marion Schwartz**, Division of Undergraduate Studies programs coordinator; and **Stan Supon**, administrative director, Undergraduate Programs, and Division of Undergraduate Studies programs coordinator for the School of Information Sciences and Technology.

Charles S. Prebish, professor of religious studies, was a featured speaker at a conference on "Religion in the Japanese-American Community," sponsored by the UCLA Center for Japanese Studies. His presentation was titled "Japanese-American Buddhism and Its Role in the Western Buddhist Community."

Samuel H. Smith, former dean of the University's College of Agricultural Sciences and president emeritus of Washington State University, was honored by that university, which named its newest building for him. The Samuel H. Smith Center for Undergraduate Education opened at Washington State University in January and will be dedicated in May.

Three art education faculty and one doctoral student in art education were invited speakers at the Arts, Humanity, Technology International Society for Education Through Arts Asian Regional Congress in Taiwan.

Brent Wilson, professor of art education, gave a paper titled "Cyborgian Children: Stretching the Limits of Art and Humanity." **Charles Garioian**, professor of art education and director of the School of Visual Arts, presented "Performing a Pedagogy of Endurance;" **Mary Ann**

Stankiewicz, associate professor of art education, presented "Technology and Art Education: Means, Metaphors and Meaning;" and **Ching-Fang Lee**, doctoral student in art education, presented "The Educational Transformation of the Art Museum: From Places and Objects to Performed Spaces and Humanity."



Focus on Research

Smart' fence can signal, locate intrusion

By BARBARA HALE
Public Information

University researchers have developed an inexpensive approach to equipping new or existing fences with the capability to detect, locate and classify intruders.

David C. Swanson, associate professor of acoustics and senior research associate at the University's Applied Research Laboratory (ARL), led the team that developed the approach at ARL's Institute for Emerging Defense Technologies. He says the approach is particularly appropriate for use in large fenced areas, for example, around airports, cattle ranches, military bases, high schools or embassies.

The new fence security system uses an inconspicuous tensioned wire as an extended sensor. The wire can be attached to any new or existing fence and is used to monitor the vibrations in the fence.

Swanson said, "The approach uses geophones — inexpensive, rugged, off-the-shelf ground sensor technology hooked up to the tensioned wire — and a low cost embedded PC and software."

The software, developed at ARL, enables the user to suppress background or environmental vibrations, sort through the signal carried by the wire and pinpoint information that indicates intrusion.

"Using the new approach, you can have the fence call you when there is an intrusion," Swanson added. "You can also manage how sensitive you want the response. For example, you can have the fence call whenever a squirrel goes by or only when a larger animal gets through the fence."

In addition to being sensitive, rugged and inconspicuous, the new system is cost effective. Competing systems equipped, for example, with microwave or co-axial cable technology, are much more expensive. A high-tech prison fence, for example, can cost about \$165 per foot. The researchers estimate that their approach would cost less than \$1 per foot, plus about \$5,000 for the central processor to retrofit a typical existing fence.

The new approach locates the site of intrusion by monitoring the vibrations in the fence and precisely detecting the time of arrival of signals from two or more locations. Measured differences between the signal's arrival times indicate the point at which the intrusion occurs. In addition, the system can classify the type of disturbance as well as locate the point of contact along the fence.

Even careful climbing by an intruder, for example, would change the loading on the fence and signal that a human intruder was present rather than a squirrel. This information can be used by security personnel to plan a response or even to deploy less-than-lethal weapons or deterrents, automatically.

A prototype of the fence has been installed around ARL's engine test facility at the University's auto test track at the Pennsylvania



David Swanson, left, and Nicholas C. Nicholas, researchers in the Applied Research Laboratory, demonstrate how their new fencing detects intruders. The researchers came up with a simple and inexpensive monitoring system.

Photo: Greg Gierke

Transportation Institute. The University also has applied for a provisional patent application on the invention.

Besides Swanson, the inventors include Nicholas C. Nicholas, ARL senior research associate, and David A. Rigby, a consultant. The research was supported by the Applied Research Laboratory.

Barbara Hale can be reached at bah@psu.edu.

NSF grant goes to Mockensturm

Eric Mockensturm, assistant professor of mechanical engineering, received a five-year grant from the National Science Foundation's Faculty Early Career Development (CAREER) program.

The CAREER program is designed to help engineers and scientists develop their research and teaching simultaneously as they begin their careers.

Mockensturm's NSF research will center on the mechanics of a manufacturing process known as web handling. A "web" is any thin, wide, flexible material that is tensioned and transported during processing. Web handling systems are used in the production of many products, including paper, fabric, carpet, tape, disposable diapers, photographic film, plastic wrap and sandpaper. A better understanding of web-processing mechanics will help manufacturers produce everyday products more economically.

Mockensturm will study four key elements of web handling systems: winds and unwinders (rolls at the beginning and end of a web handling system); accumulators (devices that allow the web handling process to continue when rolls are changed); web guides (devices that keep the web centered on the handling system); and the dynamics of web spans (the unsupported web between rollers).

The educational component of the grant will focus on course reform and development. Mockensturm plans to combine one section of ME 054 Dynamics of Mechanical Systems with ME 085 Vibrations Laboratory to create a comprehensive course that integrates theory and hands-on experiments. He also will develop a two-course, graduate-level sequence designed to teach effective methods of modeling solids and structures.

Researchers analyze the unique calls of little brown bat

Bats in Pennsylvania have a huge impact on insect populations — to the benefit of farmers, foresters and anyone who enjoys the outdoors — yet the tiny creatures remain widely feared, misunderstood and unappreciated. A University professor and graduate student, doing research at a park near Altoona, are shedding some light on the mysterious nocturnal flying mammals, attempting to learn more about the calls of the state's nine wide-spread bat species.

"Most people are afraid of bats, but they do us a great service, acting as an all-natural pesticide," says Michael Gannon, an associate professor of biology at Penn State Altoona. "A

single little brown bat can catch 300 to 3,000 insects per night and a nursing mother little brown bat eats half her body weight or more each night — estimates have run as high as 4,500 insects. Colonies of 1,000 little brown bats, which wouldn't be uncommon in the attic of a house, may eat 2,600 pounds of insects in a summer."

Tim Blackburn, a Penn State graduate with a master's degree in ecology, is working on his doctoral research with Gannon. Funded by the U.S. Department of Agriculture's Forest Service and the Wild Resource Conservation Fund, Blackburn and Gannon have examined hundreds of bats and listened to

more than 40,000 bat calls at more than 140 study sites in Pennsylvania and West Virginia. The researchers are analyzing bat calls in hopes of using them to identify different bat species with a high degree of accuracy. Many bat calls are similar to each other and have been indistinguishable to humans.

To hear bat calls, scientists have devised electronic bat detectors that bring the high-frequency calls within the range of human hearing. When amplified, the calls sound like a series of clicks or chirps. Gannon and Blackburn are developing a protocol to separate and classify calls, as one might do with bird calls, to accurately identify the species.



Many bat calls are indistinguishable to humans. Shown is a common little brown bat.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial assistant/calendar

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Can't get it any fresher



Sam Shawver, dairy products processor, left, pauses to allow Creamery intern **Dan Snyder** to check the temperature of a vat of cottage cheese curd cooking at the University Creamery on the University Park campus, above. **At right**, Shawver stirs about 5,000 pounds of milk as he processes it into about 1,100 pounds of cottage cheese. The entire process takes about seven hours, and is repeated about 36 times a year. The cottage cheese, is then sold at the University Creamery, **below**, and also is served in the dining commons, at The Nittany Lion Inn and at The Penn Stater Conference Center Hotel.

Photo: Greg Grieco



Intercom

INFORMING THE PENN STATE COMMUNITY

APRIL 4, 2002

Consortium opens door to collaboration among faculty to improve learning

By ANNEMARIE MOUNTZ
Public Information

When Colloquy VIII convenes on May 8, it will bring together a group of faculty members intent upon improving the way their students learn. This formalized program is one of several instituted by the Teaching and Learning Consortium

(TLC) in the nearly three years of its formal existence, and arguably is one of its most popular.

William C. Lasher, associate professor and chair of Mechanical Engineering at Penn State Erie, put together a team of six faculty members to attend last year's Colloquy.

"I was a relative newcomer to active learning at that point, and I thought it was a nice overview," he said. "We can learn specific things that we can implement in our classes, but

more importantly it is an opportunity to take a break from our daily routine to focus entirely on teaching, to talk with other faculty and to clarify our thoughts about teaching."

Barbara Cantalupo, associate professor of English at Penn State Lehigh Valley, plans to attend this year's Colloquy.

"I hope to learn strategies for implementing a service

Teaching and Learning Consortium, page 2

Police use technology to boost efficiency, safety

By BILL CAMPBELL
Special to Intercom

When Penn State Police Services Officer Brian Bittner stops a car, his greatest concern — information on the vehicle and its driver — is eased by technology.

Through the Mobile Data System in his patrol car, he can get almost instantaneous information on the stopped vehicle, the driver and the driver's criminal history, if any.

"A traffic stop is one of the most dangerous situations a police officer faces because you are walking into the unknown," Bittner, a four-year Penn State Police officer, said. "By getting pertinent information instantly through the in-car computer, we have a clearer idea of what we're dealing with."

In a traffic-stop situation, Bittner makes a 10-28, a license check on the vehicle, and a 10-27, an information check on the driver, through the Pennsylvania State Police database. In a matter of seconds, the relevant information appears on the computer screen in the patrol car. He also gets information on any outstanding warrants.

Under a Centre Region program called CRIMES, anytime a

person has had contact with police in the region, his or her name is entered into a local database. Bittner can run a CRIMES check, and, if the person is in the system, he will get a local address, telephone number and the specific contact the person has had with police.

The Mobile Data System also provides for car-to-car communication through its Instant Messenger system. Officers in separate cars can communicate by computer about an incident, keeping their messages off the air and clearing the airwaves for emergency communication. These digitized messages are impossible to intercept.

"The speed of accessing data is amazing," Bittner said. "It takes the burden off our dispatchers. We stop a lot of cars and often there may be a time delay in getting back to us because of the pressure and the number of calls which the dispatcher has to handle. The data on the computer is instant. It is right there in front of you on the computer screen and it is complete. There is no need to call back to the dispatcher and ask additional questions.

"The system had some bumps initially since it is new

Police, page 3



Mobile Data Systems put important information at the fingertips of Penn State Police officers on patrol.

Photo: Greg Grieco

Fedoroff, Walker earn Evan Pugh professorships

By VICKI FONG
Public Information

Nina Fedoroff, the Willaman professor of life sciences and director of the Life Sciences Consortium and the Biotechnology Institute, and Alan Walker, distinguished professor of anthropology and biology, have been named Evan Pugh professors, the highest distinction that Penn State can bestow upon a faculty member.

Named after Penn State's first president, this prestigious title is awarded to faculty members whose research publications and creative work are of the highest quality over

Evan Pugh, page 3

C&IS upgrades to its@PennState

information technology services

By HEATHER HERZOG
Information Technology Services

The Office of Computer and Information Systems (C&IS) is undergoing a transformation that will result in a variety of information technology service enhancements for students, faculty and staff across the University.

The organization, which has provided the University with its leading edge computing

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Teaching & Learning Consortium

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learning module in an English composition class, but I also look forward to the opportunity to share other ideas about teaching and learning methods with my peers from other colleges and across disciplines," she said.

Cora Dzubak, director of The Learning Center at Penn State York, also is looking forward to this year's Colloquy.

"I can't help but think that exposure to shared problems and solutions will strengthen my teaching skills and techniques that I use with my classes," she said. "Sometimes it's hard to independently identify ways to improve what we're doing, so I'm typically enthusiastic about learning more about how others respond to similar situations. I honestly cannot recall ever having attended a teaching colloquy where I didn't come away with renewed enthusiasm due to hearing some fresh ideas."

Collaboration fostered

It is that opportunity to share experiences and ideas that makes the Teaching and Learning Consortium so valuable to faculty University-wide.

"No one unit can do it by itself," said John Cahir, vice provost and dean of Undergraduate Education. "While there had been lots of good activities going on in the past, they were somewhat disparate. Along came the Teaching and Learning Consortium led by John Brighton, to create numerous opportunities for people to get together. It enables them to work together to focus on various problems and discover who is making progress, how others can join in and learn what others were doing. It's sort of a follow-up on something John had been sponsoring while he was provost. Then when he took on the leadership of the TLC, he took the efforts to a much more organized level."

It is with passion that Brighton, executive vice president and provost emeritus, talks about the Teaching and Learning Consortium and its many programs to aid faculty in engaging students.

"We're constantly changing things, but that's the whole idea behind teaching and learning. One of the hard things about this is walking a fine line of change," said Brighton. "To instill the concept of 'All of us ought to be working on getting better at what we do,' and advocate active learning sometimes can be interpreted as 'You're telling me I'm doing something wrong.' What we're really saying is that you can do it better. We're trying to get faculty to understand that a lecture is fine, but we want to encourage people to engage the students more actively in addition to lecturing."

Brighton acknowledges that successfully facilitating classroom discussion and guiding learning in the classroom is significantly more work for faculty.

"I honestly cannot recall ever having attended a teaching colloquy where I didn't come away with renewed enthusiasm due to hearing some fresh ideas."

Cora Dzubak

director of The Learning Center,
Penn State York

"You have to really be on your toes and alert. It's the same with students, maybe more so. Students will be more prepared for class. They will be more visible in class in terms of their ability to communicate and discuss topics. It takes some getting used to, but I think it's important that learning, like life, be an active, participatory activity."

That's where Colloquy helps. Several who attended last year did so for the opportunity to collaborate with other faculty and seek input on programs they were developing.

"Since we were in the beginning stages of a project, sharing it really helped us to think about the direction we were going. Faculty in the audience gave us great ideas that we had never thought of," said Kay Chick, assistant professor at Penn State Altoona.

Dr. Clark Venable and Dr. Bob Marine hope to take some new ideas back to the College of Medicine at Hershey Medical Center after attending this year's Colloquy.

"We're really interested in what others in the Penn State community are doing in the areas of teaching and learning that might be new to us and have applicability to our programs," said Venable. "Also, we hope to find others doing work in the same area that we might collaborate with going forward. Whenever you get faculty with similar interests together in the same physical space it creates an environment of synergism from which new ideas and collaborations spring. It's good for faculty, good for students and good for the institution."

Other programs

Colloquy is one of several opportunities for faculty to gather and compare notes. Another popular TLC program is the Summer Teaching Academy.

"We had a Summer Teaching Academy last spring, after classes were over, for faculty who felt that they needed a little more breathing room to engage in workshops," Brighton said. "We had 10 different workshops on active and collaborative learning, teaching in large classes, working in teams, leadership, many different topics that

focused on what I call student-centered learning."

Looking to the future

Other initiatives planned for this year are:

- consideration of an expansion of the Provost's Program for Departmentwide Initiatives for Improved Learning grants to include at least six additional academic units;
- a variety of workshops featuring national leaders to speak to the TLC membership and other faculty and students;

- conducting of a survey of students to establish experiences and attitudes about using technology and active learning elements;

- discussing and developing strategies for supporting new or relatively new faculty in developing of effective teaching methods centered on student engagement; and

- developing methods for communicating with faculty about the various programs for improving learning.

Cahir credits Brighton for the success of the TLC in promoting change in the classroom.

"Here is a very powerful, highly respected, senior officer of the University that everybody knew. Everybody knew that he stood behind quality, and now he has devoted his full efforts to teaching and learning. To me, that was the greatest windfall that could possibly happen. It made our work to improve teaching and learning much more effective and gave it wider impact. A lot of faculty were doing excellent projects. The issue that we had always faced was how to scale it up. How do we get it so that it permeates the whole University so that everybody benefits by it?"

That issue will continue to be addressed by the TLC. And as the consortium continues to move forward, it has several goals in sight for its fifth anniversary. According to the TLC annual report prepared last year, the TLC hopes to see "many more faculty, department heads and students engaged in what consortium members have found to be best practices for learning; many more students engaged more actively — as individuals and as teams — in learning; and many more students and faculty working together in teams to develop learning objectives and activities." Its leadership envisions "University-wide collaborations that generate and celebrate excellence in teaching and learning in a truly vibrant learning community."

If track record is any indication, Brighton and the TLC will meet those goals.

"We've worked hard at getting the information out, encouraging people to participate," Brighton said.

To find out more about the Teaching and Learning Consortium, and Colloquy VIII in particular, check the special section insert in the center of this issue.

Annamarie Mountz can be reached at AMountz@psu.edu.

OBITUARIES

Ross L. Anthony, assistant professor in the Applied Research Laboratory, from Sept. 1, 1947, until his retirement Nov. 30, 1973; died Dec. 26, at the age of 91.

Allice K. Bicknell, associate professor at Penn State New Kensington, from Sept. 1, 1959, until her retirement June 30, 1973; died Nov. 25. She was 93.

Catherine E. Drapcho, residence hall worker in Housing and Food Services, from July 1, 1965, until her retirement Jan. 5, 1980; died Jan. 28, at the age of 84.

Cynthia K. Flingeri, cardio technician in College of Medicine, Hershey Medical Center, from July 25, 1973, until her retirement Nov. 22, 1997; died Jan. 12. She was 59.

Hazel McCutcheon, associate librarian at Penn State Abington, from Sept. 1, 1960, until her retirement Jan. 1, 1982; died Dec. 2, at the age of 82.

Donald R. Selders, electronic technician at Penn State Harrisburg, from July 1, 1968, until his retirement Dec. 22, 1984; died Dec. 31. He was 87.

William C. Stahl, janitor foreman at Penn State Altoona, from Nov. 16, 1970, until his retirement July 21, 1988; died Jan. 20, at the age of 77.

Pauline F. Wirtz, food service worker in Housing and Food Services, from Sept. 17, 1967, until her retirement April 1, 1988; died Dec. 30. She was 78.

Leonard N. Zimmerman, dean emeritus of the College of Science and professor emeritus of bacteriology at Penn State Harrisburg, from Oct. 1, 1951, until his retirement Aug. 1, 1989; died Jan. 13, at the age of 78.

Police

Continued from page 1

technology, but, for the most part, it is now running well and functioning properly. It has helped me tremendously in terms of doing my job more effectively."

Seven Penn State Police cars are equipped with the system, which currently uses a Panasonic Toughbook, Model 47 laptop computer. It is mounted on a pedestal bolted to the floor of the patrol car and connected to a modem installed in the trunk.

According to Bruce Kline, Penn State Police assistant director for administrative services, the system, which was first operational for the National Governors' Association Conference in July 2000, was obtained under a continuing federal grant, which the State College Police Department wrote and applied for in 1996. Funding was provided under former President Clinton's initiative, Community Oriented Policing (COPS), which is intended to put more police officers on the street. One aspect of the program involves technology and the use of computers.

"From the feedback we've gotten, our officers have found it to be an effective system," he said. "It has a number of advantages. Because it is easy to use, the number of vehicle checks goes up. It encourages officers to make more checks since they get a response more quickly. For example, an officer patrolling near the airport may spot a parked pickup truck and make an electronic check on the license plate since it can be done quickly and easily. Just to verify that nothing is wrong is a benefit.

"The system significantly shortens response time. Instead of five to 10 minutes, the officer gets a response in 60 seconds. And the information does not have to be broadcast over the air. In addition, it frees up dispatcher time."

One of the staples of effective police work is quality investigative report writing. Poorly written or illegible reports can hamper an investigation. A new component of the Mobile Data System, field report writing, allows an officer to not only type a report in the field, but to transmit it electronically. It is to be implemented by the State College Police Department on a pilot basis next month.

"Once the report is transmitted to the office," Kline said, "the supervisor can have access electronically for approval or revision. After approval, it is made available electronically to the records clerk and then is automatically entered and sent to the CRIMES database. This kind of report writing is not only accurate and efficient, it gets officers out of the office and into their cars."

Technological advances such as the Mobile Data System and the department's electronic fingerprint system are playing a key role in police work, Kline said.

"Technology has impacted policing in a major way," he added. "It is most important because a primary function of police work is gathering information and talking to people. Information from individuals and information gathered over the Internet are vital. Technology has fostered new arenas of widespread mobile data. It may not help us catch a crook that we wouldn't have caught anyway, but it assists us in doing our jobs more effectively and efficiently."

Other technological advances, including facial and voice recognition systems, biometrics technology and field DNA tests, will allow us to do things we couldn't do in the past. It's hard to project what the future holds, but there's no question there will be more advances."

Bill Campbell can be reached at wic1@psu.edu.

Evan Pugh

Continued from page 1

a period of time; are acknowledged national and international leaders in their fields as documented by pioneering research or creative accomplishments; are recipients of prestigious awards; and demonstrate excellent teaching skills with undergraduate and graduate students.

Fedoroff currently explores the genes that contribute to a plant's ability to fight off disease and such environmental pollutants as ozone. Plants have a complex reaction to biological stresses, such as disease organisms, and non-biological stresses, such as ozone. They produce many protective compounds and generally reinforce the whole plant's ability to withstand further attack. The approach to understanding this complex response is to identify the genes that are turned on and study their activation using the new method of DNA microchip expression profiling. Fedoroff hopes to identify which genes control other genes and how they control them. This will allow geneticists to strengthen the ability of plants to withstand such environmental assaults.

A native of Cleveland, she received a bachelor's degree in biology and chemistry in 1966 from Syracuse University and her doctoral degree in molecular biology from Rockefeller University in 1972. She joined the faculty at the University of California, Los Angeles (UCLA), where she continued her research on nuclear RNA.

Later, she was a Damon Runyan-Walter Winchell and NIH post-doctoral fellow, at the Carnegie Institution of Washington in Baltimore. Working in the laboratory of Donald Brown, Fedoroff pioneered in DNA sequencing. In 1978, Fedoroff became a staff member at the Carnegie Institution of Washington and a faculty member in the Biology Department at Johns Hopkins University. Her research focus changed to the isolation and molecular characterization of maize transposable elements. The isolation of the maize transposons, discovered genetically by 1983 Nobel Laureate in Medicine Barbara McClintock in the 1940s, was achieved in the early 1980s. In subsequent years, Fedoroff's lab showed that the maize transposons were active in a variety of other plants, developed transposon tagging systems, and studied the epigenetic regulation of transposon activity.

In 1995 Fedoroff joined the Penn State faculty in her current positions. She is a member of the National Academy of Sciences, the American Academy of Arts and Sciences and the National Science Board. She also chairs the Publication Committee of the Council of the National Academy of Sciences.

She is a member of the International Scientific Advisory Board of the Engle-



Nina Fedoroff



Alan Walker

hardt Institute of Molecular Biology in Moscow. She also is a member of the board of directors of the American Association for the Advancement of Science and the Sigma-Aldrich Chemical Co.

Fedoroff has received awards and honors, including an NIH Merit Award, a 10-year research grant that supported her work from 1989 to 1999. She also received the University of Chicago's Howard Taylor Ricketts Award in 1990, the New York Academy of Sciences' Outstanding Contemporary Woman Scientist award in 1992 and the Sigma Xi McGovern Science and Society Medal in 1997.

Walker is one of the world's foremost experts on the evolution of primates and humans. His research involves searching for primate and human fossils in rocks dated from about 30 million to 1 million years ago. He pioneered the study of living primates as a basis for the analysis of fossils and was one of the first to use scanning electron microscope studies of enamel microwear on teeth to understand the diets of extinct mammals.

He has made many important discoveries during the past three decades at paleontological digs in Africa with his collaborators Richard and Meave Leakey, including a famous hominid specimen known as "The Black Skull." In 1995, he and Meave Leakey discovered the skeletal remains of a previously unknown species in the human lineage, which they named *Australopithecus anamensis*, that lived about 4 million years ago. One of the surprising revelations resulting from his subsequent analysis of these remains is that these

ancestors of humans were walking upright that long ago.

His most prominent books include *The Nariokotome Homo erectus Skeleton; Structure and Function of the Human Skeleton; and The Wisdom of the Bones*.

Walker was honored with a Guggenheim Foundation Fellowship in 1986 and the Distinguished Scientist Award from the Center for the Study of Evolution and the Origin of Life in 1992. He was named a MacArthur Fellow in 1988, elected as a member of the American Academy of Arts and Sciences in 1996 and elected a Fellow of the Royal Society in 1999. Other awards include the Fyssen Foundation 1998 International Prize and the Rhone-Poulenc Science Book Prize.

A native of England, he earned a bachelor's degree with honors in geology and zoology at Cambridge University, United Kingdom, in 1962 and a doctoral degree in anatomy and paleontology at London University in 1967. He taught anatomy at the Royal Free Hospital School of Medicine in London; the Makerere University College in Kampala, Uganda; and the University of Nairobi, Kenya, before moving to the United States in 1973. From 1974 to 1978, he was a faculty member in the Department of Anatomy at Harvard Medical School, where he also was associated with Harvard University's biology and anthropology departments. He was a professor of cell biology and anatomy at the Johns Hopkins University School of Medicine from 1978 until he joined the Penn State faculty in 1995.

Vicki Fong can be reached at vfong@psu.edu.

Lectures

Film heroine Anna Rosmus to present talk

Anna Rosmus, the real-life heroine of the film "The Nasty Girl," will give a talk, "Growing Up Where Hitler Used to Live," at 7 p.m. Thursday, April 9, in the Penn State Wor-

thington Scranton Study Learning Center. The program, which is part of the 2001-2002 Lecture Series, is free to the public. For information, call (570) 963-2700.

Lecture topic is conduct disorder in children

Elia Mpolu of the Educational Foundations Department at the University of Zimbabwe will discuss "Conduct Disorder in Children: Treatment Options and Cultural Efficacy in an African Setting" at 4 p.m. April 10 in 209 South Henderson Building, University Park.

Mpolu's speech is part of the Prevention Research Center for the Promotion of Human Development seminar.

For information, call Celene Domitrovich at (814) 865-2616 or e-mail cxd130@psu.edu.

Teleportation, quantum cryptography examined

Anton Zeilinger, chair for experimental physics at the University of Vienna, will present the 2002 John M. Chermida Lectures in Science from April 10 to 12 on the University Park campus.

The series of three free public lectures is sponsored by the Eberly College of Science.

The series begins with a presentation for a general audience, "Quantum Teleportation and the Nature of Physical Reality," at 8 p.m. Wednesday, April 10, in 101 Thomas

Building. Subsequent lectures are "Quantum Cryptography and Quantum Communication with Entangled Photons" at 4 p.m. Thursday, April 11, in 117 Osmond Laboratory and "Quantum Interference with Fullerenes and Other Macromolecules" at 11 a.m. Friday, April 12, in 339 Davey Laboratory.

Zeilinger's research program is designed to contribute to a better understanding of the foundations of quantum mechanics.

Correspondent Compton to speak at Shenango

Ann Compton, chief Washington correspondent for "ABC News," will present the fourth annual Greenberger Family Memorial Lecture at 7 p.m. Wednesday, April 17, in the Penn State Shenango auditorium.

Compton also will spend the afternoon on the campus speaking to various Shenango

student groups, the Chamber of Commerce Junior Leadership Shenango, local area high school journalism students, faculty, staff and advisory board members.

The event is free to the public, however tickets are required. For information, call (724) 983-2905.

Symposium examines transformation of culture

The Africana Research Center will hold its inaugural spring symposium from 8:45 a.m. to 5:30 p.m. April 6 in 101 Chambers Building on the University Park campus.

The symposium will examine the process by which African-Americans over the course

of the 20th century moved from a predominantly rural population to a largely urban population. The event is free to the public.

For information, call Michelle Way at (814) 865-6482 or e-mail at AfricanaCenter@la.psu.edu.

'Coping with Envelope Stress' to be explored

Thomas Silhavy, Warner-Lambert Park-Davis professor of molecular biology at Princeton University, will present the 2002 Stone Memorial Lecture at 4 p.m. Monday, April 8, in 101 Althouse Laboratory on the University Park campus.

The free public lecture, "Coping with Envelope Stress," is sponsored by the Eberly College of Science Department of Biochemistry and Molecular Biology.

Silhavy's research uses the bacterium, *Escherichia coli*, as a model system for understanding the biogenesis of the outer



Thomas Silhavy

cellular membrane and the mechanisms by which cells sense and respond to nutrient deprivation. His pioneering research identified the major route of transport within a cell for proteins being moved outside the cell, known as the protein-secretory pathway.

The lecture honors Robert W. Stone, head for 23 years of the former Department of Microbiology, which merged with the biophysics and biochemistry departments in 1979 to form the present Department of Biochemistry and Molecular Biology.

Lectures will explore Richard Crashaw's verse

Richard Rambuss, professor of English at Emory University, will give a lecture titled "Bad Taste, Bad Faith," from 4 to 6 p.m. Thursday, April 11, in the Foster Auditorium, 101 Pattee Library, followed by a reception in the Mann Assembly Room, 103 Paterno Library on the University Park campus.

His talk will explore the aesthetics of Richard Crashaw's verse. Rambuss also will conduct a seminar on his work from 10 a.m.

to 11:30 a.m. Friday, April 12, in the English Department's Grucci Poetry Room in Burrows Building. A sign-up sheet will be available in 103 Burrows, along with the seminar readings.

Rambuss is a specialist in queer literary theory and literature and culture of the English Renaissance.

The lecture is free to the public. For information, call Vincent A. Lanckewich at (814) 865-4383.

Topic is integrating diversity into teaching

John S. Nichols, professor of communications and chair of the University Faculty Senate, will lead a discussion on "Integrating Diversity into Teaching and Learning" at noon-Wednesday, April 10, in the Faculty/Staff Club suite in The Nittany Lion Inn, University Park.

The informal lunch discus-

sion is part of a monthly series, sponsored by the Teaching and Learning Consortium and the Faculty/Staff Club. It is open to all faculty and staff.

For information, call Tammy Homan at (814) 865-8563 or e-mail tclub@psu.edu. To assist with seating, let Homan know if you plan to attend by 9 a.m. April 10.



John S. Nichols

Gypsum's influence of subsoil to be explored

Frank von Willert, doctoral candidate in soil science, will make a presentation from 3:35 to 4:25 p.m. April 5 in 101 Agricultural Sciences and Industries Building, University Park.

Von Willert will discuss "Can Gypsum and

Compost Influence Subsoil Chemistry in Highly Acidic Minesoil Material?"

The Department of Soil Sciences is the host for the event. For information, call (814) 863-1601.

'Star Trek' physicist boldly goes to Penn State

"Could the universe of 'Star Trek' become a reality?"

"Will warp drives ever be possible?" "How dangerous is it when you get beamed up?"

These questions will be topics in a free multimedia presentation, "The Physics of Star Trek," at 2 p.m. Sunday, April 7, in 100 Thomas Building, University Park.

The speaker is Lawrence Krauss, the author of *The Physics of Star Trek*. Krauss'

presentation is the culmination of the 2001-2002 Friedman public lecture series, "Black Holes and Time Warps."

The lecture features discussions of "Star Trek" bloopers, which Krauss compiled from talks with numerous tech-Trekkers, including physicist Stephen Hawking.

Krauss is the Ambrose Swasey professor of physics, professor of astronomy, and chairman of the Department of Physics at Case Western Reserve University.

Talk explores role of technology in helping poor

Theoretical physicist Freeman Dyson will present the 2002 Arthur H. Waynick Memorial Lecture at 8 p.m. April 12 in 104 Keller Building on the University Park campus.

Dyson's lecture is titled "Eight Tales for Technophiles: Examples of Success and Failure in Using Technology to Help the Poor."

A professor emeritus at Princeton University's Institute for Advanced Study, Dyson has worked in particle physics, condensed matter physics, nuclear and optical engineering, astrophysics and pure mathematics.

The lecture is free to the public.

Space Center project manager to visit University

Donald Henninger, chief scientist and project manager for the Advanced Life Support Program at NASA's Johnson Space Center in Houston, will discuss "NASA's Advanced Life Support for Future Human Exploration" at 2 p.m. Sunday, April 7, in the Hintz Alumni Center on the University Park campus.

The event is being held in conjunction with the Green Design Conference on campus.

The lecture is free to the public. For information about the conference, go to <http://www.psu.edu/dept/cf/conference.htm>. For information about Henninger, a Penn State graduate, go to <http://aginfo.psu.edu/News/june01/henninger.html>.



More Lectures

Rock Ethics Institute is topic at luncheon

The Comparative Literature Luncheon, a weekly informal lunchtime gathering of students, faculty and other members of the University community, has announced the next speaker in this semester's series.

The events begin with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy something in

Kern Cafeteria. Coffee and tea are provided.

The speaker will begin at about 12:40 p.m. The events are free to the public.

Nancy Tuana, professor of philosophy and women's studies and director of the Rock Ethics Institute, will discuss "Introducing the Rock Ethics Institute" on April 8.

For information, e-mail Daniel Walden at dcw8@psu.edu.

Former Sears CEO to give first lecture in series

Retired Sears chairman and chief executive officer Arthur C. Martinez will present the inaugural address in a new lecture series devoted to the retail industry.

He will speak at 4 p.m. Wednesday, April 24, in the Assembly Room The Nittany Lion Inn on the University Park campus.

The event is free to the public. The presentation is the first in the new Melvin Jacobs Retail Leadership Lecture Series, which is named in tribute to Melvin Jacobs, a 1947 University graduate and former chairman and CEO of Saks Fifth Ave.

Rural Development Council videoconference set

Farm legislation is scheduled to be the major topic for a Pennsylvania Rural Development Council videoconference to be held April 12 by Pennsylvania College of Technology's North Campus near Wellsboro.

The videoconference, which is free to the public, will be held from 9:30 a.m. to noon in the videoconference center at the North Campus. Sign-in begins at 9 a.m. Lunch will be offered following the meeting.

In the videoconference, U.S. Rep. John Peterson, R-Titusville, will discuss the farm bill and related issues, such as water and waste-water treatment, rural strategic planning and value-added market programs.

Other invited speakers and topics are Earl Freilino, Pennsylvania homeland security

director, who will discuss the threat of terrorism in rural communities and state and local anti-terrorism efforts; and W. Russell McDavid, senior policy manager with the governor's Policy Office, who will provide an update on health and human services, including Tobacco Settlement Act implementation, the governor's regional health-care summits and Department of Health hospital regulations.

Seating is limited and registration is encouraged. For information, call Penn College's North Campus at (570) 724-7705 or the Pennsylvania Rural Development Council at (717) 772-9030. Information is available on the Web at <http://www.pct.edu/north> or <http://www.ruralpa.state.pa.us>.

Training seminars planned for Microsoft.NET

Computer and Information Systems and Penn State Great Valley are bringing Microsoft training to the University.

Professional Microsoft trainers will provide in-depth, two-day seminars leading attendees through the process of building new intranet and Internet applications on the Microsoft.NET platform.

The seminars will be held April 17 to 18 at The Penn State Conference Center Hotel and May 21 to 22 at Penn State Great Valley.

Microsoft.NET is a Web services platform using XML, the universal format for structured documents and data sharing. XML allows applications to share data regardless of

hardware platform, operating system or programming language. The Microsoft.NET platform allows developers to create XML services and fuse them together into highly functional and appealing Web services.

This training includes 16 modules covering all areas of .NET development. It is geared to provide attendees with the education, tools and resources needed to start building effective XML solutions on the .NET framework using Microsoft Visual Studio .NET.

Deadline for University Park registration is April 10. For information on registration and fees, call (814) 863-6522 or check the Web at <http://cac.psu.edu/training/het/>.

Joseph Burninsky, assistant professor of engineering, will offer a slide lecture featuring passive and active solar heating projects, solar domestic hot water, super insulation and double-envelope projects.

For information, call (570) 963-2575.

NEWS IN BRIEF



Tours of Eberly College of Science research areas include astronomy, astrophysics, biochemistry, molecular biology, biotechnology, microbiology, biology, biotechnology, chemistry, mathematics, statistics, physics, premedicine and general science. Here, students at a previous Open House join the tour. For more information, see story below.

Eberly College Open House

The Eberly College of Science will hold its 13th annual Open House Day beginning at 8:30 a.m. April 6 on the University Park campus.

Approximately 3,000 high-school seniors have been invited to attend. Among the activities are opportunities for informal discussions with deans, faculty, staff and current students in the HUB-Robeson Center Alumni Hall. Other activities include tours of classrooms, residence halls and facilities in research areas.

Participants may register via the Web at <http://www.science.psu.edu/academic/OpenHouse.html> or by calling (814) 863-0284.

Library survey

Are faculty and students satisfied with the quality of services at their campus libraries? Beginning April 8, thousands of randomly selected individuals at the University will receive e-mail invitations to answer a series of questions on a Web survey regarding perceptions about their library's services. The survey should take about 10 minutes to complete.

University Libraries are participating with more than 160 other institutions nationwide in LibQUAL⁺, a large-scale user-based library service assessment tool developed by Texas A&M University in conjunction with the Association of Research Libraries New Measures Initiative with the support of the U.S. Department of Education's Fund for the Improvement of Postsecondary Education.

The survey tool asks library patrons to evaluate four dimensions of their campus library's service affect of service, the library as "place," personal control and access to information.

Participation will help the University Libraries create a culture of assessment

based on outcomes measures and will provide a set of new measures to evaluate the effectiveness of services in meeting the needs of students and faculty.

To find out more about LibQUAL, check the Web at <http://www.aarl.org/libqual/index.html> or call Laurie Probst at (814) 865-5524.

CPR Saturday

Students from University Ambulance Service are planning CPR Saturday on April 13 in Alumni Hall at the HUB-Robeson Center on the University Park campus.

It will be a free mass program where up to 300 people will be trained following the American Heart Association's cardiopulmonary resuscitation training guidelines. Participants will receive training in adult, child and infant CPR.

Participants may choose either a session from 8:45 a.m. to 1 p.m. or from 1:45 to 6 p.m. Register online at <http://www.clubs.psu.edu/ems/cpr-day/> or e-mail psucpr@psu.edu.

CPR instructors are welcome to register as volunteer instructors for the day. The event includes door prizes and T-shirts.

Vanpool coordinator needed

A new coordinator/main driver is sought to take over an already-established, 8 a.m.-to-5 p.m. University vanpool that runs Monday through Friday from Philipsburg to University Park.

If interested, call Paula Morgan at (814) 865-1775 or e-mail ply2@psu.edu.

Holiday announcements

The Memorial Day holiday will be officially observed by the University on Monday, May 27. Independence Day will be observed on Thursday, July 4.

Classes will not be in session on either of those days.

Solar projects program planned for April 22

In celebration of Earth Day, Penn State Worthington Scranton architectural engineering technology students will hold a program, "Successful Solar Energy Projects in Northeastern Pennsylvania" at 7 p.m. Monday, April 22, in the campus Study Learning Center.



Arts & Entertainment

Faculty cabaret

Norman Spivey and Matt "Dip Dip" Doebler will present a faculty cabaret, "It Only Takes a Moment ..." at 7:30 p.m., Friday, April 5, in 119 Arts Building on the University Park campus.

Spring Concert

Essence of Joy will present its annual Spring Concert at 4 p.m., Sunday, April 7, in Esber Recital Hall on the University Park campus.

This year marks the group's 10th anniversary and the concert will feature an Alumni Choir as special guests. Tickets are \$4 for general admission and \$2 for students. Admission is free to the public.

Bach's Lunch

The Bach's Lunch concert will feature the Viola Ensemble at 12:10 p.m., Thursday, April 11, in Eisenhower Chapel on the University Park campus.

The event is free to the public.

The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Campus Ministry. Following the performance, audience members may take their bag lunches to Memorial Lounge of Eisenhower Chapel. Beverages are provided.

Oboe recital

The oboe studio will give a recital at 8 p.m., Thursday, April 11, in Esber Recital Hall on the University Park campus. Admission is free to the public.

Arts and crafts sale

The Center for Arts and Crafts will hold its spring 2002 sale from 9 a.m. to 5 p.m., April 17, 18 and 19 in the first-floor lounge area of the HUB-Robeson Center on the University Park campus.

Several new artisans will contribute to selection of pottery, jewelry, soaps, metalwork, ceramics, sculpture, portraiture, photography, prints and more. Admission is free.

For information, call (614) 865-9278.

Memorial honors teachers

A memorial dedicated in recognition of teachers and educators who lost their lives during the tragedies on Sept. 11 was installed in the upstairs lobby of Chambers Building on the



This photo of Anne Frank is part of the exhibit "Anne Frank: A History for Today," through April 30. This display, which takes place at the HUB-Robeson Center on the University Park campus, is free but reservations are recommended. For additional information on this exhibit or to make a reservation, visit the Web site at <http://www.sa.psu.edu/galleries>.

University Park campus.

The memorial is located outside of 276 Chambers. The College of Education and Phi Delta Kappa Association commissioned the memorial, which was created by Jaimeson Brooks Daley, a student in the School of Visual Arts.

BOOK SHELF

Edwin L. Herr, distinguished professor of education.

An Introduction to Career Counseling: Bridging Person and Work, published by Nakanishiya Publishing Co.

The book, co-authored with **Meiko Watanabe-Muraoka**, professor and head of the Institute of Psychology, Tsukuba University, Tokyo addresses the current economic problems in Japan — rising unemployment, the changing system of lifelong employment and proposed foundations for the introduction of professional career counseling into schools, universities, and work places. The book examines historical and theoretical backgrounds of career counseling, roles of career counselors, systematic programs of career counseling, emerging tasks for the career counselor in Japan and models of graduate education for career counselors.

Colleen E. Kelley, assistant professor of speech communication at Penn State Erie.

Women Who Speak for Peace, published by Rowman and Littlefield.

The book documents the public discourse of 10 women who are peace activists. Kelley co-edited the book with **Anna L. Eblen**, professor and chair of the Department of Communication at Western Washington University. Kelley also authored the book chapter, "A National Mother 'Soulds' for Peace," an examination of the rhetorical power of Liberian activist Ruth Perry. Another chapter by faculty members **Cathy Sargent Mester** and **Miriam McMullen-Pastrick**, both lecturers in speech communication, examines the words of Mary Lou Kownacki, the Benedictine nun who established the first PAX Center in Erie in 1970. A chapter by **Rod Troester**, associate professor of speech communication, examines the life and work of Aung San Suu Kyi, a Burmese woman who won the Nobel Prize for Peace in 1993.

PARTINGS

Kay E. Bickle, laboratory attendant in Office of the Vice President for Research, from March 2, 1982, to Jan. 4.

Kenneth C. Blythe, chief information officer in College of Medicine, Hershey Medical Center, from Aug. 12, 1985, to Jan. 1.

Barbara A. Brugel, senior program coordinator in Division of Undergraduate Studies at Penn State Abington, from Jan. 5, 1987, to Jan. 17.

Raymond E. Clouser, painter A in Office of the Physical Plant, from Nov. 2, 1981, to Jan. 5.

Samuel J. Duck, supervisor trades II in Office of the Physical Plant, from Sept. 28, 1970, to Nov. 1.

Frances M. Durkin, library specialist I in University Libraries, from July 1, 1972, to Sept. 30.

Richard H. Fox, professor emeritus of soil science in College of Agricultural Sciences, from Jan. 6, 1975, to Jan. 1.

James E. Friday, plumber/fitter in Office of the Physical Plant, from Aug. 30, 1976, to Sept. 22.

Florence Gallagher, janitorial worker at Penn State Altoona, from Sept. 5, 1978, to Nov. 9.

Robert F. Garis, janitorial worker in Office of the Physical Plant, from April 7, 1979, to Dec. 29.

George M. Greene, associate professor emeritus of pomology in College of Agricultural Sciences, from July 1, 1966, to Jan. 1.

Beatrice M. Hetrick, staff assistant VIII in Business Services, from Jan. 2, 1985, to Jan. 1.

Donna M. Holderman, residence hall worker in Housing and Food Services, from Jan. 12, 1980, to Jan. 26.

Janet F. Jester, instructor, mathematics in Eberly College of Science, from Aug. 16, 1988, to Jan. 1.

Joan M. Knepp, dining hall worker A in Housing and Food Services, from Sept. 17, 1967, to Oct. 6.

John J. Kraskinski, systems engineer I in Office of Telecommunications, from April 1, 1963, to Oct. 1.

Charles W. McMullen, senior engineering aide in Applied Research Laboratory, from March 9, 1966, to Oct. 1.

Judith A. Meyers, residence hall worker in Housing and Food Services, from Sept. 4, 1973, to Sept. 29.

Ruth J. Reese, staff assistant VIII in College of Arts and Architecture, from July 1, 1961, to Oct. 1.

Kenneth E. Rudy, supervisor of radiation science and engineering in College of Engineering, from March 1, 1962, to Sept. 29.

Winifred C. Rudy, financial assistant II in College of Medicine, Hershey Medical Center, Oct. 4, 1976, to Nov. 1.

Celebrating Teaching & Learning

Two Weeks of Events Focus on Improving Student Learning

May Marks Teaching and Learning Weeks

Beginning May 6, the Teaching and Learning Consortium (TLC) in collaboration with the Schreyer Institute for Innovation in Learning, Center for Excellence in Learning and Teaching (CEL/T), Office of Undergraduate Education, Royer Center, Leonhard Center, and Teaching and Learning with Technology (formerly the Center for Education Technology Services) will be the hosts for two weeks worth of seminars, workshops, discussions and other events to support excellence in teaching and learning at Penn State.

Faculty, academic support staff, teaching assistants and students are invited to take advantage of these opportunities to discuss and explore methods for effectively engaging students in the learning process.

The May events will center around the Eighth Annual Colloquy, a daylong University-wide forum on teaching and learning on May 8. The activities over the two weeks also include The First-Year Experience Conference, the TLC Summer Teaching Academy and 2002 Summer Fest workshops on computer technology.

Information about all events is available at the Teaching and Learning Consortium Web site at <http://www.psu.edu/dept/tlc/>.



Assistant Professor Lisa Greer brings technology into the classroom to stimulate discussion in her large GEOSC 20 classes. Students use remote controls to respond to course questions in real time.

TLC Colloquy VII

Assessing Student Learning

On Wednesday, May 8, the Teaching and Learning Consortium (TLC) will be host to the Eighth Annual Colloquy on teaching and learning.

"Assessment Strategies to Stimulate Student Learning" is the theme of the one-day event.

The purpose of the annual colloquy is to provide a forum for exchanging innovative ideas and best practices and to recognize and celebrate faculty achievement in teaching and learning. More than 250 faculty and academic support staff from University campuses statewide attended last year's event.

Colloquy VII will take place from 8:30 a.m. to 5:30 p.m. May 8 at The Penn State Conference Center Hotel on the University Park Campus.

University President Graham B. Spanier will provide opening remarks. Thomas A. Angelo, professor of education, associate provost and founding director of the Institute for Teaching and Learning at the University of Akron, will deliver the keynote address.

Following the keynote, Penn State faculty and leaders from other universities will present a series of 32 workshops on topics including assessment of learning, building learning communities, leadership, problem-based learning, student-centered learning, active learning, teaching and learning portfolios, and the use of technology in the classroom.

Among the scheduled sessions are updates on projects supported by the Provost's Program for Departmentwide Initiatives for Improved Learning. The program is funded by the Office of the Executive Vice President and Provost and the Office of Undergraduate Education, with additional

funds from each of the participating colleges and from Art Glenn, member of the TLC Steering Team.

Departmentwide Initiatives are administered by the TLC, a consortium of more than 125 faculty members, department heads, deans, students, teaching assistants and leaders dedicated to supporting teaching and learning throughout the statewide University system. Last year, six \$25,000 awards were made to departments through the Departmentwide Initiatives program.

During Colloquy VII, Lisa Greer, assistant professor of geosciences, will present on innovations in GEOSC 20, part of the departmentwide initiative for the Department of Geosciences in the College of Earth and Mineral Sciences.

Greer and colleague Peter Heaney, associate professor of geosciences, redesigned the introductory geology course to increase interaction and emphasize learner-centered instruction in the large classes through the use of electronic devices.

In the revised GEOSC 20 course, students purchase remote controls along with their textbooks. In class, Greer and Heaney use the Classroom Performance System by e-Instruction to display multiple-choice questions. Students then work in groups to arrive at answers to the problems and submit their individual answers using the remote controls.

Final votes appear in real time, so instructors can measure accurately and immediately whether or not students understand the lessons. Greer and Heaney then make instant adjustments to tailor every part of the lecture to meet student needs.

The system also allows instructors to track individual responses and, consequently,

attendance. According to Greer, one outcome has been a marked increase in attendance for the approximately 150-student classes, but she notes that the increase in student participation is even more exciting. Students bring their remotes, respond to questions and participate in problem solving during every class meeting.

Greer also has made the class a learning laboratory for faculty members who would like to see the technology in use. Her GEOSC 20 course is open to faculty from any departments who are interested in exploring teaching with technology.

Representing another departmentwide initiative, Gordon Blood, professor and head of the Department of Communication Sciences and Disorders, and Janice Light, professor of communication disorders, will speak at Colloquy VII to share outcomes and lessons from the Problem-Based Learning: Instructional Modules Utilizing Web-Based Technology departmentwide project.

In this project, the department is developing a series of online instructional modules that teach students how to work in teams, to pose and solve problems, and to locate and identify resources and content necessary to finding solutions. Students work through problems online and receive immediate electronic feedback about their problem-solving strategies.

The department also is conducting formal evaluations to determine the effectiveness of teaching problem solving strategies using this technique. The long term goal is to create templates that faculty can use to enhance problem-based learning across disciplines.

In addition to the 32 colloquy workshops and presentations, there will be 20 posters highlighting projects that have improved teaching and learning throughout the University. Exhibits will feature resources, programs and achievements of academic programs, teaching support units, and TLC department head, faculty, teaching assistants and student teams.

At the end of the event, John Harwood, senior director of Teaching and Learning with Technology (formerly the Center for Education Technology Services), and Cheryl Achterberg, dean of the Schreyer Honors College, will provide a retrospective on earlier discussions and offer their perspectives on teaching and learning challenges for the future.

Colloquy VII is sponsored by the TLC, Schreyer Institute for the Improvement of Learning, Teaching with Technology, Center for Excellence in Learning and Teaching (CEL/T), Royer Center, Leonhard Center and the Office of Undergraduate Education.

For information, contact the TLC at (814) 865-4442 or check online at <http://www.psu.edu/dept/tlc/events/colloquy2002>.

Event Calendar

May 6-7
First-Year Experience
Conference

Office of Undergraduate Education

May 8
Colloquy VII

Teaching and Learning Consortium
The Penn State Conference Center Hotel
<http://www.psu.edu/dept/tlc>

May 9
TLC Summer Teaching Academy
Teaching and Learning Consortium
The Penn State Conference Center Hotel
<http://www.psu.edu/dept/tlc>

May 10, 13-17
Summer Fest 2002
Teaching and Learning with Technology
University Park Computer Labs
<http://cac.psu.edu/training>

May 13
TLC Summer Teaching Academy
Assessment to Improve Learning
Teaching and Learning Consortium
Nittany Lion Inn Assembly Room
<http://www.psu.edu/dept/tlc>

TLC Colloquy VIII

Assessment Strategies to Stimulate Student Learning

Wednesday, May 8,
The Penn Stater Conference
Center Hotel
University Park, Pa.

Schedule of Events

8:30 a.m. Registration

8:30-8:45 a.m. Opening Comments

8:45-10 a.m. Keynote

10:15-11:15 a.m. Discussion Session I

11:15 a.m.-3 p.m. Poster Session

12:15-1:15 p.m. Lunch

1:15-2:15 p.m. Discussion Session II

2:30-3:30 p.m. Discussion Session III

3:45-4:30 p.m. Closing Address

4:30-5:30 p.m. Reception

President's Hall

Graham Spanier

Thomas Angelo

Sessions A-G

Sessions H-O

Sessions P-V

"Reflections on Teaching at Penn
State: The Challenges Ahead"

MESSAGE FROM THE PROVOST

Several units throughout the University are organizing an impressive and unprecedented list of offerings in the form of workshops, seminars and poster sessions to support faculty and the enhancement of teaching and learning. I would like to draw your attention as faculty, academic support staff, teaching assistants and students to these events and encourage your participation.

The week of May 6 is scheduled to begin with the First Year Experience Conference sponsored by the Office of Undergraduate Education. Colloquy VIII held by the Teaching and Learning Consortium will follow this conference mid-week. The theme for this year's colloquium focuses on Assessment Strategies to Stimulate Student Learning. President Graham Spanier will provide opening comments for this event followed by a keynote address by Thomas Angelo—a nationally recognized expert on the subject of assessment. Angelo's talk, titled "Doing Assessment As If Learning Matters Most: Seven Transformative Guidelines from Research and Best Practices," will provide practical advice on thinking and practice of assessment as well



Rodney Erickson,
executive vice
president and provost

as strategies for implementation. A variety of workshops also are scheduled at the close of this week and throughout the week of May 13 through offerings of the Teaching and Learning Consortium Summer Teaching Academy and the Teaching and Learning with Technology Summer Fest. Each of these events will provide great opportunities for networking, idea sharing and discussion about current issues faced by Penn State and other institutions of higher learning.

Again, I encourage you to investigate and participate in one or more of these upcoming events. You'll find additional information throughout this issue of *Intercom* or you may contact the sponsoring unit directly. I am confident that together we can advance our commitment to academic excellence at the University by supporting high-quality teaching, research and service while enhancing the educational experience of our students.

Angelo to Speak on Student Assessment and Learning in Colloquy VIII Keynote Address

Thomas A. Angelo, professor of education, associate provost, and founding director of the Institute for Teaching and Learning at the University of Akron, will provide the keynote address for the Eighth Annual Colloquy on teaching and learning at 8:45 a.m. May 8.

Angelo's interactive talk, "Doing Assessment As If Learning Matters Most: Seven Transformative Guidelines from Research and Best Practice," will propose a model for transforming the thinking and practice of assessment in the classroom.

Named one of America's 40 Young Leaders of the Academy in a 1998 *Change Magazine* poll, Angelo advocates using the scholarship of assessment as a means to improve educational quality. Angelo notes that the ways we think and talk about teaching, learning, assessment and scholarship in American higher education have already begun to change. The central focus of academic culture seem to be

shifting from faculty, traditional research and instruction toward students, scholarship and learning. He claims that changes in the practice of teaching, assessing or doing scholarship have not kept pace with the rhetoric. According to Angelo, connecting the scholarship of assessment with

current movements to improve teaching and learning more broadly can help bridge the gap between theory and practice. His colloquy address will present practical strategies for implementing improvements in learning assessment. Angelo is an internationally recognized scholar. He has consulted on teaching, assessment and learning improvement on nearly 200 campuses, and given keynote speeches at more than 75 higher

education conferences in the United States and in a dozen other countries. He has also held fellowships from the Fulbright Program in Italy and the Gulbenkian Foundation in Portugal, and he has served as visiting scholar for the Higher Education

Research and Development Society of Australasia.

His publications include *Classroom Research: Early Lessons from Success* (1991); *Classroom Assessment Techniques: A Handbook for College Teachers* (with K. Patricia Cross, 1993); and *Classroom Assessment and Classroom Research: An Update on Uses, Approaches and Research Findings* (1998)—all published by Jossey-Bass. He is the author of more than two dozen articles and chapters. His newest book, tentatively titled *Collaborative Learning Techniques: Making Groupwork Work* (with Cross and Claire Major) is due to be published by Jossey-Bass this fall.

Colloquy VIII is sponsored by the Teaching and Learning Consortium, Schreyer Institute for the Improvement of Learning, Teaching and Learning with Technology (formerly the Center for Educational Technology Services), Center for Excellence in Learning and Teaching (CELT), the Office of Undergraduate Education, Royer Center and the Leonhard Center for the Enhancement of Engineering Education.

For information, contact the TLC at (814) 865-4442 or check online at <http://www.psu.edu/dept/tlc/events/colloquy2002>.

Conference explores first-year students

Did you know most students who will start college this coming fall were born in 1983—the same year as the PC and Mac came into being? To them, artificial hearts have always been ticking. Diet Coke has always been a low-calorie beverage choice. Cal Ripken has always been playing baseball, and a mouse has always been more than a rodent. This class of first-year students has never experienced a real recession, never used carbon paper, and they've always had access to e-mail.

Faculty, advisers and staff interested in learning more about their students and bridging the generation gap are invited to attend the upcoming First-Year Experience Conference on May 6 and 7 at University Park.

The Office of Undergraduate Education will be the host for the conference, which will provide valuable insight into the incoming Class of 2006.

Attendees will be involved in a variety of interactive sessions aimed at improving understanding of the cultural context of first-year students. Topics range from cultural styles of the incoming student, learning communities, student-organized first-year programs, student development, peer mentoring, course management, civic engagement, critical thinking, Learning Edge Academic Program (LEAP), student reading proficiency and assessment. In addition, students from the School of Theatre Arts' Loaves and Fishes Traveling Repertory Theatre will weave their reflections and observations throughout the conference.

M. Lee Uperat, assistant vice president emeritus for student affairs and affiliate professor emeritus of higher education at the University, will deliver the keynote address. Known internationally for his work in post-secondary education, he has been contributing to the literature of college-student development for more than 30 years. His research interests include residence halls, student retention, transition to college, student affairs management, minority-majority relations and assessment.

The First-Year Experience Conference will be held from 12:30 p.m. Monday, May 6, through noon Tuesday, May 7. A dinner Monday evening will be held at the Faculty/Staff Club.

All conference events are free. Participants must cover expenses for transportation and accommodations. For information, go to <http://www.psu.edu/dept/tlc/events/> or call the Office of Undergraduate Education at (814) 863-1864.



Q&A:

Kyle Peck discusses faculty movement to research active and collaborative learning

The Collaborative and Active Learning Research Institute (CALRI), an institute to support and promote research on different approaches in teaching, will hold its inaugural meeting on April 8. CALRI was created last year, based on discussions with the provost, dean of the College of Education and the Planning Team of the Teaching and Learning Consortium (TLC). Kyle Peck, professor of education in the Instructional Systems program and head of the Department of Adult Education, Instructional Systems and Workforce Education and Development, serves as director.



The institute will bring together faculty and students across disciplines to answer several of the most important questions about implementing active and collaborative strategies in the teaching and learning process. It will serve as a forum for discussions about pedagogy and an incubator for formal research studies.

Institute members will work in collaboration with the TLC, the Schreyer Institute for Innovation in Learning, the Center for Excellence in Learning and Teaching, the Royce Center, the Leonhard Center, Teaching and Learning with Technology (formerly the Center for Education Technology Services) and

the Center for the Study of Higher Education. **What is the mission of CALRI?**

The mission of the Collaborative and Active Learning Research Institute is to improve student learning at Penn State and beyond, by developing and supporting a community of scholars engaged in formal research on the effectiveness of active and collaborative educational approaches, and by disseminating their findings.

The idea for the institute came about at a meeting of the TLC Faculty Team when John Brighton, University professor and TLC chair, said, "I know that active and collaborative learning is better, but I can't prove it." We decided to find a way to prove it to faculty as we integrate it into our teaching.

Penn State faculty are scientists who respond to evidence. If we want to foster change in teaching and learning, we have to research the effectiveness of the work we do in the classroom.

The Institute serves to match people who want research done on their teaching with people who want to do research on instructional techniques. The aim is to increase the amount and quality of research on active and collaborative learning by connecting innovative faculty members in a variety of disciplines with faculty and graduate students with interest and experience in educational research and the desire to collaborate.

Who is involved with the project?

One exciting thing about the Institute is that members come from all different Penn State locations. To date, 55 faculty, graduate students, and administrators have registered with the Institute through its Web site

(<http://ide.ed.psu.edu/CALRI/>). With involvement from nine campuses already, it's much more likely that the knowledge will spread widely throughout the University.

The CALRI Organizing Committee includes Brighton; David Day, associate professor of psychology; Dorie Evensen, associate professor of higher education; Keith Nelson, professor of psychology; and Lauri Perelman, assistant dean of the Schreyer Honors College.

What are the different types of active and collaborative learning that CALRI hopes to research?

The different types include problem-based, case-based, role plays, simulations, and cooperative and collaborative learning. You can do very traditional things but boost the activity level or you can do very innovative things in the classroom. We hope to find what ways are most effective for a given context.

The benefits of active and collaborative learning do not always appear on traditional tests because the active approaches are designed to stimulate higher order learning. Often faculty will try a new approach but will not have the tools to measure if there are positive results.

How will CALRI's work improve teaching and learning at Penn State?

I hope CALRI will be one force that helps to change the culture of the University from passive to active approaches to learning. I think the modern thinking about teaching and learning contends that teaching is not merely a transfer of knowledge from the mind of one person to the mind of another. It

requires active meaning-making. It is not enough to just try to allow the words to enter the students' heads; in order to teach, we must actively force students to deal with information and make connections in their own minds. In that activity, that's where things happen.

What new experience will faculty gain as a result of CALRI?

More than experience, faculty will gain confidence and become bolder in the kinds of instruction they use because they will be armed with evidence that it works.

I also hope that they will look for evidence more frequently and take greater ownership of their teaching. The research that we envision CALRI producing will help faculty to understand how they can create experiences through which students learn.

Where do you think CALRI is headed?

I would like the participants to see it as a valuable service to them. It could also result in a journal that would be read internationally and in a virtual institute incorporating participants from around the world. Already we plan to use technology to make CALRI accessible to participants throughout Penn State's campuses. The same technology can help us go further.

The most important thing I hope to do is to help faculty and universities see that research on teaching and learning is respected. We hope to develop a broad-based awareness spanning all of our colleges and campuses that the innovations we implement in our teaching can be the subject of scholarly study.

Teaching & Learning Consortium Summer Teaching Academy

Improving Student Learning will be the focus for the Second Annual TLC Summer Teaching Academy.

Academy workshops will be held May 9 and 13 at The Penn State Conference Center Hotel and the Nittany Lion Inn, both at University Park.

Part of a series of TLC programs, the summer and winter academies provide intensive faculty development opportunities during the summer and winter breaks, when faculty are actively engaged in course planning and development. Last summer, approximately 200 faculty, staff and students from locations throughout the state attended the first weeklong Summer Teaching Academy event.

This year, the academy's series of half-day workshops will include the following sessions:

Reading Assessment Tests (RATS): Promoting Student Responsibility

Scott Kretschmar, professor of exercise and sports science and Teaching and Learning

Hall of Fame Award recipient, will present this half-day workshop. The session will prepare instructors to incorporate "readiness assessment testing" (RATS) into fall courses. The RATS methodology is designed to encourage students to come to class better prepared and able to hold meaningful conversations about materials. Participants will have the opportunity to sample tests and practice the RATS methodology.

Active Learning

In this two-part workshop, John Wise, director of Engineering Instructional Services, will first present "Active Learning Methods in the Classroom." For the remainder of the half-day session, Judy Ozment Payne, associate professor of chemistry, and Barton Browning, associate professor of German, will focus on "Innovative Implementation of Faculty Senate Legislation for Including Active Learning in General Education Courses."

RATS, CATS and Other Forms of Class-

room Assessment

Sandy Bargamnier, instructor of kinesiology, will lead this interactive, group-based session. Participants will discuss what it means to approach teaching in ways that foster teamwork, enable critical thinking, and build communication and assessment skills. Bargamnier will also model the Readiness Assessment Tests (RATS) technique (Madsen, 1994) and Classroom Assessment Techniques (CATS) (Angelo & Cross, 1993) that she uses in her classes.

Integrating An International Perspective into the Classroom

In this session, John Nichols, professor of communications, and Cheryl Achterberg, dean of the Schreyer Honors College, will review several methods for integrating an international perspective into a variety of classes. The workshop will emphasize a case study approach and team interviewing. Workshop participants will have the opportunity to participate in conducting a cross-cultural

interview, then compiling, critiquing and reflecting upon the results in much the same manner students would. The workshop will end with brainstorming ways to add an international component by using active teaching and learning in the participants' own courses.

Assessment to Improve Learning

Dan Apple, president of Pacific Crest, will conduct this four-hour workshop. The only academy event to take place on May 13, the half-day session will help participants differentiate between assessment and evaluation, understand the assessment methodology, perform a peer assessment, explore peer coaching, and implement self-assessment into the learning environment. The workshop will model active learning as participants practice the use of assessment and learn about the importance of the assessment mind set, techniques and contextual uses.

For information, visit the TLC Web site at <http://www.psu.edu/dept/tlc/events/academy/summer2002>.

Teaching Innovator Dan Apple to Lead Assessment Programs

On May 13, Dan Apple, president of Pacific Crest educational consulting and publishing, will lead a four-hour workshop focusing on assessment as part of the Teaching and Learning Consortium (TLC) Summer Teaching Academy.

A faculty member in the University of Wisconsin-Platteville School of Education, Apple leads Pacific Crest's efforts to improve the quality of educational outcomes by focusing on five key processes: teaching, learning, mentoring, curriculum design and assessment. Since 1991, Pacific Crest has facilitated more than 150 teaching institutes at colleges and universities around the country.

Over the past 15 years, Apple has visited more than 1,800 colleges and universities, facilitated faculty development events for more than 12,000 faculty and worked with more than 20,000 students in classroom situations. The May event will be the second workshop Apple has presented through the TLC at Penn State.

This August, Apple will return to the University to lead a four-day Assessment Institute. The program will strengthen assessment skills and promote the development of an "assessment culture." The institute aims to empower participants

with new tools and techniques for doing pre-assessment, real-time assessment, formative assessment and summative assessment in their courses as well as self-assessment of their own performance. Participants in the institute will learn to strengthen facilitation and mentoring skills and design appropriate assessment systems and data collection tools for their courses. Discussion also will focus on how to generate greater commitment at the department, college and institutional levels to support embedding assessment in instructional design, program design, annual review and strategic planning processes and systems. Faculty participants also will explore the practice of active research about teaching and the scholarship of teaching and learning.

The August Assessment Institute is part of the Continuous Improvement of Learning Outcomes through Assessment project sponsored by the TLC and the Collaborative and Active Learning Research Institute (CALRI), in partnership with Pacific Crest and Stony Brook University. The project plans to hold several such institutes and to train faculty at campuses throughout the United States to facilitate similar institutes at their home universities.

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Support Units Expand Teaching Learning Assessment Resources

In recent years, assessment has become a major theme in the scholarship of teaching and learning. Within the University, several teaching and learning support units have made significant efforts to expand assessment resources for faculty and instructors.

This January, the Center for Excellence in Learning and Teaching (CELT) welcomed Suzanne Weinstein, who will serve as coordinator of assessment and research. Although CELT has historically placed considerable emphasis on good assessment as a key to good teaching, this new appointment will allow increased levels of support by expanding the assessment opportunities available, especially to faculty who have received Fund for Excellence in Learning and Teaching grants. Weinstein's appointment also will enhance the formal research capacity of the center.

In order to support effective assessment, CELT provides consultation services for all faculty, instructors, teaching assistants and academic units to review course materials, analyze feedback data, discuss techniques, observe a class or assist in designing and implementing assessment strategies. The center also provides a number of online resources about assessment through its Web site (<http://www.psu.edu/dept/celt/assessment.shtml>).

Like CELT, Teaching and Learning with Technology (formerly the Center for Educational Technology Services) has recently expanded its assessment offerings. Its Web site (http://cac.psu.edu/publications/web/publications/cac_guide/ets/presentations/TLSites/assessment.html) offers a number of

resources to support assessment through technology use, including several new tools.

The latest resources include online quizzing tools, Web-based testing and the Assessment Survey Kit (ASK) for creating and administering online surveys. Faculty and teaching assistants may use ASK surveys to support discussion or case studies or to administer course evaluations to assess learning throughout the semester. The new ANGEL Course Management System (<http://www.angels.psu.edu>) also supports assessment with its online logs of student activity and grades.

Many other units also continue to provide assessment support services. Since 1995, the Schreyer Institute for Innovation in Learning Assessment Team (<http://www.innov.psu.edu/siil/work/assessment/>) has worked with faculty to design and implement assessment programs that measure the effectiveness of course innovations and improvements. These assessments provide evidence of the relationship between instructional strategies and improved student learning.

Ken Johnston, program manager for the Schreyer Institute assessment team, assists faculty in assessing innovative curricula, evaluating programs, designing and assessing general education courses, and conducting organizational research. Like CELT, the assessment team tailors assessment programs to the unique needs of individual instructional designs.

Faculty, instructors or departments with assessment questions should contact individual units for additional information.

2002 Summer Fest

Workshops in Computer Technology

As part of the May events focused on teaching and learning, Information Technology Services (formerly Computer and Information Systems) will offer free computer workshops to faculty, staff and teaching assistants on May 10 and May 13 through 17.

The mission of Information Technology Services is to ensure that faculty, students, and staff have the information technology tools and infrastructure necessary to carry out the University's missions in teaching, research and service.

Seminars designed specifically to discuss integrating technology in the classroom will be offered during the May events and throughout the summer. Programs will include hands-on workshops on topics such as the World Wide Web, Microsoft Office, the ANGEL Course Management System and graphics applications. All workshops will be held in University Park computer labs.

Online registration will begin on April 29 through the Teaching with Technology Web page at <http://cac.psu.edu/training/>.

Teaching, Learning Hall of Fame Faculty Recognized for Outstanding Teaching

All five recipients of the 2001-2002 Teaching and Learning Hall of Fame Faculty Awards will be recognized during the Eighth Annual Colloquy on May 8. Sponsored by the Teaching and Learning Consortium (TLC), the Hall of Fame Faculty Award honors faculty members who have had a significant impact on student learning over a sustained period.

This year's winners are as follows:

- **Richard J. Cyr**, professor of biology and assistant department head for Undergraduate Affairs;
- **Scott Kretschmer**, professor of exercise and sports science;
- **Janice Light**, professor of communication disorders;
- **Jacqueline S. McLaughlin**, assistant professor of biology, Penn State Berks-Lehigh Valley; and
- **Stephen R. Turns**, professor of mechanical engineering.

Honored faculty all demonstrate a strong commitment to teaching and an interest in adopting active learning strategies to promote student engagement with course content and disciplinary skills.

Teaching methods of this year's recipients included problem- and project-based learning, readiness assessment testing, team-based problem solving, interactive technology to support teaching in large classes and active learning through international educational experiences.

Nominations for the Hall of Fame Faculty Award are ongoing, and awards are announced throughout the year. Approximately every six weeks, recipients are featured in *Intercom* profiles and on the TLC Web site. The entire group is honored at the end of the year during the teaching and learning Colloquy event.

Criteria for the award include the following:

- 1) A long term and sustained positive impact on student learning.
- 2) Well-rounded accomplishments as a University faculty member including outstanding records in teaching, research, and scholarship.

3) Implementation of new and innovative teaching methods, such as active learning, special use of technology, problem based learning, use of case studies,

service learning, learning assessment and others.

4) Special contributions to the learning community such as leading workshops and giving presentations to faculty on teaching methods.

5) Publication of papers on pedagogy, development of textbooks within the discipline and/or innovative use of technology for supporting teaching.

In addition, faculty receiving this award would likely have received significant University and professional society awards recognizing teaching in the past.

The TLC Planning Team reviews candidates and makes award selections.

Submission of suggested candidates may be made at any time to Gwynne Kinley, gd7k@psu.edu or through the nomination form available at the TLC Web site (<http://www.psu.edu/dept/celt/tlc/mission/facultyhoaward.html>).

For information about the Eighth Annual Colloquy, call the TLC at (814) 865-4442 or online at <http://www.psu.edu/dept/tlc/events/colloquy2002>.



University Park Calendar

April 5 - April 14

SPECIAL EVENTS

Friday, April 5

"John Paul Caponigro," gallery talk by Erin Firestone, noon, Palmer Lipson Auditorium.

Saturday, April 6

Coaches vs. Cancer 5K run/walk and kid's fun run, 10 a.m., Intramural Building.

Tuesday, April 9

Yom Hashoah-Holocaust Remembrance Day, 10 a.m. to 3 p.m., HUB-Robeson Center.

"Witnesses to Genocide Readings Monologues and Dialogues on Campaigns to Eliminate a People," 12:30 to 5:30 p.m., Robeson Gallery Rotunda, HUB-Robeson Center, April 9, 10, 16, 17, 23 and 24.

Friday, April 12

"The Jefferson Suite," gallery talk by Joyce Robinson, noon, Christoffers Lobby, Palmer Museum of Art.
"Angels in America," 8 p.m. April 12, 13, 16, 17, 18, 19 and 20; 2 p.m. April 20; The Playhouse.

MUSIC

Friday, April 5

Norman Spivey and Matt "Oup Dup" Ooeber, "It Only Takes a Moment ...," 7:30 p.m., 119 Arts.

Jazz musicians Archie Shepp and Roswell Rudd with Andrew Cyrille and Reggie Workman, will perform with poet and activist: Amiri Baraka, 8 p.m., Schwab Auditorium.

Saturday, April 6

Wynton Marsalis and the Lincoln Center Orchestra, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Sunday, April 7

Essence of Joy Spring Concert, 4 p.m., Recital Hall. Tickets are \$4, general admission, \$2, students.

Thursday, April 11

Viola Ensemble, Bach's Lunch concert, 12:10 p.m., Eisenhower Chapel.

Oboe recital, 8 p.m., Recital Hall.

Saturday, April 13

The Kalichstein-Laredo-Robinson Trio and The Emerson String Quartet, 8 p.m., Schwab Auditorium. For tickets, call (814) 863-0255.

SEMINARS

Friday, April 5

Chenyang Lu on "Quality of Service in Unpredictable Computing Environments," 10 a.m., 302 Pond Laboratory.
John Klauder on "Affine Quantum Gravity: Principles, Progress and Promise," 11 a.m., 318 Osmond Laboratory.
Scott Powers on "Exercise-Induced Cardioprotection," 3 to 4 p.m., 127 Noll Physiological Research Center.

Arthur Esch on "Internet III and your First Million," 3:30 p.m., Keller Building auditorium.

Frank von Willert on "Can Gypsum and Compost Influence Subsoil Chemistry in Highly Acidic Minesoil Material?" 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Amy Ross on "The Spatial Fix of Justice: International Law and the Prosecution of the Powerful," 4 p.m., 301 Steidle.
Nelly Oudshoorn on "Designing Technology and Masculinity: The Clinical Testing of the Male Pill," 4 p.m., 102 Weaver.

Sunday, April 7

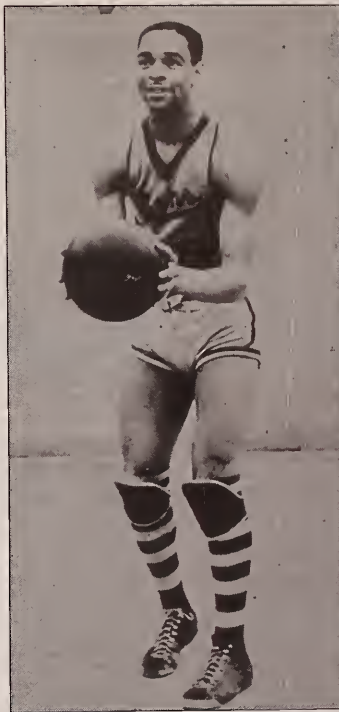
Lawrence Krauss on "The Physics of Star Trek," 2 p.m., 100 Thomas.

Donald Henninger on "NASA's Advanced Life Support for Future Human Exploration," 2 p.m., Hintz Alumni Center.

Monday, April 8

Feng Cao on "Approaches to Providing Quality of Service for Scalable Voice-Over-IP Networks," 10 a.m., 302 Pond Laboratory.

Nancy Tsuna on "Introducing the Rock Ethics Institute," 12:40 p.m., 102 Kern.



"Freedom to Play: The Life and Times of Basketball's African-American Pioneers" may be viewed at the HUB-Robeson Center on the University Park campus through May 12. The exhibit chronicles the black role in the development of basketball in the 20th century on the barnstorming, professional and college levels.

Thomas Silhavy on "Coping with Envelope Stress," 4 p.m., 101 Althouse Laboratory.

Tuesday, April 9

Don Sanderson on "Teaching General Chemistry via a Materials-centered Curriculum: Reinvigorating Engineering Education," 4 p.m., 22 Oelke.

Michael Summers on "New Insights into Retroviral Genome Recognition and Packaging," 4 p.m., S5 Osmond Laboratory.

Wednesday, April 10

Ed Smiley on "Surface Analysis Using Sum Frequency Generation" and Qian Chen on "Development of Accelerometer

Mass Spectrometry for Bioanalytical Research,"

11:15 a.m., S5 Osmond Laboratory.

John S. Nichols on "Integrating Diversity into Teaching and Learning," noon, Faculty/Staff Club suite, The Nittany Lion Inn.

John Horn on "Search for Quintessential Expressions of Human Intelligence: No G But Maybe Expertise Abilities," noon to 1 p.m., 10B Wartik Laboratory.

Elia Mpofu on "Conduct Disorder in Children: Treatment Options and Cultural Efficacy in an African Setting," 4 p.m., S209 Henderson.

Anton Zeilinger on "Quantum Teleportation and the Nature of Physical Reality," 8 p.m., 101 Thomas.

Thursday, April 11

Women's Studies Spring Undergraduate Forum, noon to 3 p.m., Alumni Hall, HUB-Robeson Center.

Thomas E. Lippert on "Future Trends in Gas Turbine Combustion Development," 3:30 p.m., C213 Coal Utilization Laboratory.

Anton Zeilinger on "Quantum Cryptography and Quantum Communication with Entangled Photons," 4 p.m., 117 Osmond Laboratory.

Richard Rambuss on "Bad Taste, Bad Faith," 4 to 6 p.m., 101 Pattee Library.

Mary Jo Romeo, 6 to 8 p.m., Pollock Gold Room.

Friday, April 12

Fabian Bustamante on "The Active Streams Approach to Adaptive Oributed Systems," 10 a.m., 302 Pond Laboratory.

Anton Zeilinger on "Quantum Interference with Fullerenes and Other Macromolecules," 11 a.m., 339 Ovey Laboratory.

Andrea Mastro on "Exercise Quality of Life and Recovery of CO4+ Lymphocytes Following Chemotherapy," 3 to 4 p.m., 127 Noll Physiological Center.

Melissa Wright on "Sex Work, City Work and the Politics of Place in Ciudad Juarez," 4 p.m., 301 Steidle.

Freeman Oyson on "Eight Tales for Technophiles: Examples of Success and Failure in Using Technology to Help the Poor," 8 p.m., 104 Keller.

Norman Hammond on "La Milpa: A Classic Maya City in Belize," 8 to 10 p.m., 107 Carpenter.

EXHIBITS

HUB-Robeson Center

"Freedom to Play: The Life and Times of Basketball's African-American Pioneers," through May 12.

"Hands Across the Sea: Medallion Art from Poland and America," through May 1.

"Anne Frank: A History for Today," through April 30.

Kern Commons exhibit area

"Images From Our Heritage: Experiences of Penn State Hillel Students in Israel," through May 12.
"The Nazi Scourge: Postal Evidence of the Holocaust and the 'Ovation of Europe,'" through May.

Palmer Museum of Art

"Sam Gilliam: Recent Prints," through May 26.
Digital work by John Paul Caponigro, through June 2.
"Carrie Mae Weems: Jefferson Suite," through June 9.

Pattee and Paterno Library exhibit areas

"Smart Books, Smart Design," through May 3.
"The Many Realms of King Arthur," through May 10.

Warneck Commons

"Photographic Ethnobotany: Peruvian Plants and People," photographs by Benjamin Chemel, through May 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Building program tops action at Penn College board meeting

Pennsylvania College of Technology will construct student housing, renovate the former HON Industries facility to accommodate space-restricted programs and refurbish the 89-year-old Klump Academic Center as part of a building program approved by the college's Board of Directors.

The board authorized the college administration to undertake a bond issue of \$28.5 million to \$32 million to complete those projects and to retrofit the Hager Lifelong Education Center, the Learning Resources Center, the Parkes Automotive Technology Center and the Breuder Advanced Technology and Health Sciences Center for additional instructional uses.

"The Stage IX building program represents an unprecedented opportunity to expand academic and instructional space and to meet the increasing demand for college-owned student housing in an affordable manner," said Penn College President Davie Jane Gilmour.

"We expect to enroll an additional 100 students in space-restricted majors by Fall

2004, and the student-housing construction will address the continuing need for high-quality on-campus facilities — a significant factor in the enrollment decision for many families."

Additional factors influencing the administration's plans are the favorable bond market, the college's strong financial standing and the extra costs that would be incurred if the projects were to be pursued in piecemeal fashion, Gilmour said.

In other business, the board approved a two-year extension of the current faculty contract with the Penn College Education Association, which approved the extension on Feb. 5. The current three-year contract took effect Aug. 21, 2000. The extension calls for annual salary increases of 3.25 percent in both 2003-04 and 2004-05. In addition, cost sharing for the employees' health-insurance coverage will be set aside temporarily through 2004-05.

For details, check the Web at <http://WWW.PCT.EDU/pctoday/news/construction/boardreport0202.htm>.

Senate hears faculty salary report

A study presented to the Faculty Senate last week shows that the University is showing progress in upgrading faculty salary levels, but still lags behind its peers when compared with Big Ten schools and similar institutions around the nation.

This fact has not been lost on the University's administration. Despite the state of the economy in Pennsylvania and significant reduction in the proposed legislative appropriation for Penn State next year, President Graham B. Spanier is sticking to his pledge to bring salaries to a level better served to help recruit and retain the best faculty in the nation.

"Every year since I've been here, we've made it a top priority to put the same percentage increase in each department or unit's salary pool," said Spanier in his opening remarks to the Senate. "We've tried to treat everybody fairly — that will not change."

The 2000-2001 salary data compiled by the American Association of University Professors shows that Penn State is consistently ranked in the middle tier of Big Ten schools in terms of academic pay, including when the figures are adjusted for cost of living. The benchmark differential between salary rankings of tenured and non-tenured faculty is what's particularly striking. Full professors at Penn State rank near the top of the Big Ten in terms of annual salary, while assistant professors and instructors are closer to the bottom of the scale.

Strides to move the University to the top

of all salary-ranking tables have already begun. The report's conclusion notes that a "one-year analysis ... demonstrates improvement that hopefully can be maintained."

In other business, senators passed legislative measures designed to clarify the relationship between the 5-year-old Schreyer Honors College and other academic units. Many perceive the relationship as complex since the Honors Colleges consists of faculty from other colleges and students studying a vast array of disciplines.

The Senate also revised its policy on class attendance, suggesting new guidelines on how instructors should handle student absences from class due to unavoidable reasons.

Senators also passed a proposal to incorporate UniSCOPE — a scholarship and service evaluation model first presented in September 2000 — into the University's official policy dealing with promotion and tenure.

Among many information reports was a presentation by Scott Kretchmar, faculty representative to the National Collegiate Athletic Association. His report showed a 75 percent six-year graduation rate among Penn State student-athletes who entered the University in 1994, compared with the national average of 58 percent. This places Penn State first when compared to Big Ten public institutions. Nittany Lion student-athletes also earned the most Academic All-Big Ten honors in 2000-2001, with 225.

Annual Graduate Exhibition will be April 5, 7

More than 200 graduate students will present their research and creative works at the 17th Annual Graduate Exhibition on April 5 and 7 on the University Park campus.

In this annual event, graduate students throughout the University are invited to share their work with their peers in other disciplines and with the community. In addition to showcasing the wide variety of graduate programs at Penn State, the Graduate Exhibition places special emphasis on communicating research and creative endeavor to a general audience, challenging students to present their work in clear, comprehensible terms to people outside their fields.

The event includes:

- Performances by students for whom performing (music, theatre) is a required part of their graduate degree program from 7 to 10 p.m. Friday, April 5, in the Music Building Esber Recital Hall;
 - Poster presentations from 11 a.m. to 3 p.m. Sunday, April 7, in the Alumni and Heritage Halls at the HUB-Robeson Center;
 - Visual arts display (drawings, paintings, sculptures and more by students for whom creating studio work is a required part of their graduate degree program) currently showing through April 29 in the HUB Gallery.
- Students whose presentations are judged best in each of seven categories will



A graduate student performs with the cello during a previous Graduate Student Exhibition. This year, the exhibition is scheduled for April 5 and 7 on the University Park campus.

Intercom file photo

receive cash awards.

Winners will be announced at the awards ceremony at 4:30 p.m. April 7 in the HUB-Robeson Center Auditorium. All events are free to the public.

For information, visit The Graduate School Web site at <http://www.gradsch.psu.edu/research/exhibition.html>.

Schreyer seeks assistant/associate dean

Internal applications and nominations for the position of assistant/associate dean for the Schreyer Honors College are being accepted.

The assistant/associate dean is a senior member of the dean's council and reports directly to the dean of the Schreyer Honors College. The assistant/associate dean is responsible for overseeing all matters pertaining to honors courses and the day-to-day academic activities of the college.

Specific responsibilities include:

- facilitating interactions between academic colleges and the college;
- scheduling honors courses for all University Park academic colleges/departments;
- supporting honors faculty and honors advisers with orientation and faculty development efforts;
- providing leadership for honors advising services;
- coordinating honors course development with the academic colleges, the Schreyer Institute for Innovation in Learning and other partners;
- promoting undergraduate research;
- providing direction to student and faculty in the integrated undergraduate/graduate degree program;
- developing and/or collaborating on grant proposals;
- assisting the dean with strategic planning for the college; and

■ representing the college at University functions and meetings that are concerned with undergraduate honors education and curricular matters.

The successful candidate should have high energy and creativity, excellent oral and written communication skills, strong interpersonal skills, team spirit, a learner-centered philosophy, participatory leadership style and a vision for higher education, teaching innovations and honors education. Candidates should have an earned doctorate, the potential to serve in a tenured faculty position and knowledge of current developments in honors and/or higher education. Desired qualities include experience in the advancement, assessment and promotion of academic programs, as well as a demonstrated record of commitment to work collaboratively in multidisciplinary groups with a diverse faculty, staff and student body.

Applicants should send a cover letter indicating their interest in the position, a curriculum vitae and names and contact information (mailing address, daytime telephone and e-mail addresses) of three individuals for professional references to: Chair, Search Committee, in care of Carol Gardner, Schreyer Honors College, 10 Schreyer Honors College, University Park, PA 16802.

Application review begins May 1 and will continue until the position is filled. The start date for the position is July 1.



Awards

Commission for Women honors 8 at annual banquet

The Commission for Women named seven Achieving Women Award winners and the recipient of the Rosemary Schraer Award for mentoring at its annual banquet on the University Park campus.

Barbara Bogue, director of the Women in Engineering Program since 1995, was named the recipient of the Rosemary Schraer Award. Bogue was honored for her commitment to the female students in the College of Engineering. According to Rob Pangborn, associate dean for Undergraduate Studies, "Barbara has exhibited a talent for success in providing service that far exceeds her employment responsibilities."

Other nominators cited her mentoring activities benefiting undergraduate and graduate women, including the Women in Engineering Program orientation, which is the first mentoring received at Penn State by entering female first-year students in engineering. Through the orientation, Bogue provides them with upperclass role models and contacts for mentoring throughout their undergraduate careers. Nominators, including some of her students, also cited numerous other examples of her mentoring activities and named her as a key role model for women in the college.

The Achieving Woman Award for a woman from a location outside University Park was presented to Joan Begolly, coordinator of the Mechanical Engineering and Technology Program and instructor in engineering at Penn State New Kensington. According to her nominators, her dedication, energy and compassion serve as an example and inspiration for her students and colleagues.

Patricia Book, associate vice president and executive director of Outreach and Cooperative Extension, won the award in the administrative category. Recognized nationally and internationally, Book was selected for her vision and hard work as an administrator, her



Barbara Bogue



Joan Begolly



Patricia Book



Diane Brannon



Lanik Lowry



Barbara McDanel



Tammy Showalter



Melinda Stearns

constructive and inspiring role as a supervisor and her community service.

In the faculty category, the award was presented to Diane Brannon, department head and professor of health policy and administration in the College of Health and Human Development. According to her nominators, Brannon has demonstrated great skill and leadership in balancing frequently competing demands gracefully and with compassion and sensitivity to her department's staff, faculty and students.

In the student category the award was presented to Lanik Lowry, an undergraduate student in labor industry relations and political science in the College of the Liberal Arts. Lowry's nominators said that as a scholar, a leader, a sorority member, a philanthropist, a

community volunteer and an active member of the Army Reserves, she gives new meaning to the term "student."

In the staff non-exempt category, the award was presented to Barbara McDanel, campus nurse and student learning disability coordinator at Penn State Beaver. Her nominators said that McDanel has focused on providing service to students, faculty and staff and on educating the community about important health issues through diversity efforts, contributions to a variety of human causes and in public service.

In the technical services category the Achieving Woman Award was presented to Tammy Showalter, food preparer B in Waring Square Food Court at University Park. Showalter's nominators said she is dedicated

to the successful operation of the food court. She provides leadership and support to the staff, and inspires her co-workers by serving in a non-traditional role for women: that of a preventive maintenance worker — all while completing a 33-hour masonry course offered through the Central Pennsylvania Institute of Science and Technology.

In the staff exempt category, the award was presented to Melinda Stearns, director of client development in Outreach and Cooperative Extension. According to her nominators, Stearns acts as a role model for women throughout Outreach and Cooperative Extension, displaying tireless energy, balancing multiple family and personal needs while managing an outstanding sales force and still finding time to serve the University and local community through a wide variety of initiatives and committees.

The Achieving Women Awards recognize women who have achieved and excelled at Penn State and in their communities. Faculty, exempt and nonexempt staff, administrative, technical service, graduate and undergraduate students, and women from locations outside University Park are eligible to receive the award.

The Schraer Award, created in memory of Rosemary Schraer, former associate provost for Penn State, honors a current University employee who has excelled in helping others to recognize and achieve their potential professionally and personally. Schraer, who died in 1992, joined the University in 1969 as a faculty member in the Eberly College of Science and through her 26-year tenure, was noted for her mentoring abilities. The award recognizes individuals who have advised, facilitated, encouraged or paved the way for others. Consideration for the award is given to any University employee who has a record of outstanding mentoring service beyond the requirements of their employment.

Several outreach programs and initiatives earn awards from UCEA

Outreach programs and initiatives have been honored with eight University Continuing Education Association (UCEA) awards.

Faculty and staff members contributed to these outreach programs and initiatives honored with UCEA awards.

■ The Technology-Enhanced Teaching and Learning Institute for Chilean Educators, developed by the College of Education and CREAD — The Inter-American Distance Education Consortium, won an Exemplary Program Award from the Conferences and Professional Programs Community of Practice of UCEA.

■ "Outreach Scholarship 2001: Learning, Discovery and Engagement," developed by Outreach and Cooperative Extension units in collaboration with Ohio State

University and the University of Wisconsin-Extension, won an Exemplary Program Award from the Conferences and Professional Programs Community of Practice.

■ "Redefining Community: A Smart Growth Approach to Street and Neighborhood Design, Crime Prevention, Public Health and Safety," developed by Continuing Education's Conferences and Institutes and the College of Arts and Architecture, won an Exemplary Program Award from the Conferences and Professional Programs Community of Practice. This program also received a UCEA Region II Exemplary Program Award.

■ "ORION: Penn State Wilderness Orientation," developed by Shaver's Creek Environmental Center in partnership with the Outing Club and Continuing Educa-

tion's Conferences and Institutes, won an Exemplary Program Award from the Conferences and Professional Programs Community of Practice.

■ *The Adult Education Virtual Newsletter*, developed by Outreach Marketing and the World Campus, won a Gold Award in the Judges' Choice: Recognition for Electronic Communications category.

■ Shaver's Creek Environmental Center newsletter, *Shavings*, developed by Outreach Marketing and Shaver's Creek Environmental Center, won a Gold Award in the newsletter category.

■ "Making IT Work," a brochure and poster for information technology (IT) camps offered by Cooperative Extension in Potter and McKean counties, and developed by Outreach Marketing Consulting

Services, won a Bronze Award in the campaign publications category.

■ Shaver's Creek Environmental Center Web site, developed by Outreach Marketing and Shaver's Creek Environmental Center, won a Silver Award in the most improved category.

■ Two other outreach programs were honored with University Continuing Education Association Region II awards: Mosser Village Family Center Youth Enrichment Partnership Program, developed by Penn State Lehigh Valley, won an Award of Excellence for Programs for Special Populations, and "Performative Sites: Intersecting Art, Technology and the Body," developed by Continuing Education's Conferences and Institutes with the College of Arts and Architecture, won an Exemplary Program Award.



Promotions

Technical Service

Robert A. Aikley, roofer in Office of Physical Plant
William L. Boon, dining hall worker A in Housing and Food Services
Lance E. Lehman, storeroom clerk/stock selector in Business Services
Kimberly M. Mason, dining hall worker A in Housing and Food Services
Jeanette A. Mohl, animal caretaker A in College of Medicine, Hershey Medical Center
David S. Parker, machinist A in College of Earth and Mineral Sciences
Ronald L. Raymond, storeroom assistant in Housing and Food Services
James K. Rieg, maintenance worker B at Penn State DuBois
William M. Rock, maintenance worker, utility at Penn State Mont Alto
Scott R. Smith, roofer in Office of Physical Plant
Mark D. Whitehead, maintenance worker, utility at Penn State Wilkes-Barre

Staff

Lori J. Barnes, staff assistant V at Penn State McKeesport
Nancy L. Bellaman, staff assistant VI in Division of Development and Alumni Relations
K.R. Bennett, lead contract and proposal specialist in Applied Research Laboratory
Vicki H. Blazer, staff assistant VIII in College of Health and Human Development
Terry D. Blesh, manager, financial and administrative services in Applied Research Laboratory
David R. Boykin, information center specialist at Penn State McKeesport
Catherine J. Brown, administrative assistant III in Applied Research Laboratory
Patricia A. Cave, financial and accounting assistant in College of Medicine, Hershey Medical Center
Linda M. Cominsky, learning center specialist I at Penn State Worthington Scranton
Diana L. Cramer, staff assistant VII in Office of the Corporate Controller
Anne D. Danielisk, training coordinator at Penn State Erie
David S. Day, coordinator of student organizations and program development at Penn State McKeesport
Charlene J. Detwiler, program coordinator for Stone Valley in Intercollegiate Athletics
Janet V. Doyle, associate director II in Division of Development and Alumni Relations
Eric P. Ebeling, event assistant in Intercollegiate Athletics
Erin L. Eckley, staff assistant VI in Eberly College of Science
Erin M. Edwards, senior technician-researcher in College of Medicine, Hershey Medical Center
Cynthia L. Galbraith, staff assistant VII in Division of Outreach and Cooperative Extension
Andrea L. Garner, assistant extension agent in College of Agricultural Sciences
Stacy A. Godshall, human resources assistant in Office of the Vice Provost and Dean for Undergraduate Education
Patricia L. Goodwin, library assistant II, cast team in University Libraries
David A. Gribble, manager, network and information systems at Penn State McKeesport
Diane S. Grimm, coordinator of residence hall security in University Safety
Christie S. Harter, information systems support associate in Computer and Information Systems — Administrative Systems
Thomas E. Haupt, customer service representative in Office of Physical Plant
Matthew J. Henry, senior administrative data analyst at Penn State Harrisburg
S.W. Hesser, manager publications/public relations in College of Health and Human Development
Brooke C. Higgins, personal computer products analyst at Penn State Mont Alto
Scott M. Hollenbach, applications programmer/analyst in Division of Outreach and Cooperative Extension
W.D. Holmes, assistant director of parking for transportation services in College of Agricultural Sciences
Dawn L. Holsopple, administrative assistant IV in College of Agricultural Sciences
Dorothy Klach, coordinator of community relations and communications at Penn State McKeesport
Jill L. Iwice, assistant student aid coordinator in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Administration
Jennifer L. Jenkins, exercise physiologist in College of Medicine, Hershey Medical Center
Lynn A. Kalwasinski, research support technician III in College of Agricultural Sciences
Courtney H. Keene, coordinator of residence life in Office of Student Affairs
Willie Kelly, senior microcomputer system consultant in Computer and Information Systems — Center for Educational Technology
Kathryn E. Kensinger, assistant to financial officer II in Eberly College of Science
Erica M. Kresovich, staff assistant VI in Office of the Vice President for Research
Cynthia A. Kunes, assistant to dean in College of Agricultural Sciences
Cynthia L. Kunes, staff assistant VII in Office of the Corporate Controller
Tracey L. Leitzi, staff assistant VI in Office of the Corporate Controller
Susan J. Lamma, staff assistant VII at Penn State Dickinson School of Law
Kimberly N. Leynes, administrative assistant I in Division of Development and Alumni Relations
Georgette A. Lipson, staff assistant VII at Penn State Dickinson School of Law

its@PennState

information technology services

Continued from page 1

and communication infrastructure and a broad range of information technology tools and services over the past 18 years, now will be known as Information Technology Services (ITS). The transition to ITS involves structural changes and a shift in focus that is expected to make the overall organization more accessible to students, faculty and staff — as well as more effective at supporting the University's information technology needs.

"Each day, the staff members in each of our units work diligently to ensure that students, faculty and staff have the information technology resources they need to carry out their tasks," said Gary Augustson, vice provost for Information Technology. "We believe the transformation of our organization will better position the University to provide enhanced support for the teaching, learning, research, outreach and administrative activities of our community, now and in the future."

Augustson explained that the reorganization has involved the creation of several new service areas and a realignment in the functions of the six units of C&IS: the Center for Academic Computing, the Office of Telecommunications, the Office of Administrative Systems, Library Computing Services, Computer and Network Security and the Center for Education Technology Services. Beginning this week, he added, these original units will be renamed to better reflect the services they offer (see box at right).

Other changes, such as the implementation of new Web sites for each of the restructured ITS units, are expected to be completed sometime before the fall.

One of the most visible changes in the restructuring effort will be the creation of a brand new unit, Consulting and Support Services, which will combine the help desks, individual support functions and departmental consulting services from throughout the organization, providing "one-stop" support services for all of the University's community.

"Our goal is to place a strong emphasis on providing consulting and other support services to individual faculty, students and staff," said Jeff Kuhns, the recently appointed senior director of the new unit. "We believe that making all of our support resources readily accessible through one location will help ITS become an even better service organization."

A profound change in the technology requirements for researchers has provided additional impetus for ITS to have greater focus on rapidly evolving technologies, according to Kevin Mooroney, senior director of Academic Services and Emerging Technologies (ASET) — a unit that will

ITS units

- Academic Services and Emerging Technologies (ASET)
- Administrative Information Services (AIS)
- Consulting and Support Services (CSS)
- Digital Library Technologies (DLT)
- Security Operations and Services (SOS)
- Teaching and Learning with Technology (TLT)
- Telecommunications and Networking Services (TNS)

replace, as well as add to, many of the functions of the former Center for Academic Computing (CAC).

"The pace of technological change, combined with rising expectations from the academic community, puts a lot of pressure on an IT organization to be able to make accurate decisions quickly about new solutions," he said. "One of our challenges is staying in touch with the needs of the entire University when we consider technological solutions to both new and old problems. To meet these needs, we're currently building a group that can focus on coordinating and driving the ITS investigations into new and evolving technologies. Our goal is to be timely in the development and deployment of new services and solutions."

Another key focus of the reorganization involves combining all training services from each of the units of the organization under the newly named Teaching and Learning with Technology unit, formerly known as the Center for Education Technology Services. This new group, using a more unified approach, will support the full range of information technology training needs at the University, including the student and business systems (ISIS and IBIS), faculty workshops on ways to integrate technology and teaching, office productivity, telephony and security.

"As the tools of information technology become more advanced and more powerful, IT becomes a more important part of all our lives," said Augustson. "In this kind of rapidly evolving environment, it is critical that we not only keep up with the changes, but that we also anticipate them and plan for their seamless integration into our community. I am convinced that the new organizational structure of Information Technology Services will help us achieve that objective."

For more information, check the Web at <http://its.psu.edu>.

Heather Herzog can be reached at hek4@psu.edu.



Focus on Research

Blue jets, blue starters show similarities

By ANDREA MESSER
Public Information

Blue jets and blue starters form from multiple streamers of electrical energy, rather than as a single glowing column, according to researchers who modeled the formation of these atmospheric phenomena.

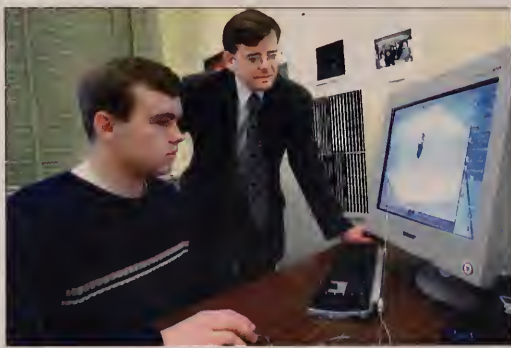
"In 1999, Petrov and Petrova predicted that blue jets and blue starters were made up of a large number of small scale channels or streamers," according to Victor P. Pasko, associate professor of electrical engineering. "We used a modification of a fractal model, a type of model originally developed to study corona streamers in gas insulation systems, to model a blue jet."

Pasko, working with Jeremy J. George, undergraduate in electrical engineering, applied both a two-dimensional and three-dimensional version of the model to replicate a blue jet.

Blue jets were first documented by University of Alaska researchers in 1994, but were probably seen by pilots long before formal documentation occurred. Red sprites, blue jets more familiar cousins, have only been documented for about 10 years. While sprites are more common, forming almost always in a certain-sized lightning storm, they are much shorter lived, lasting only a few milliseconds. Blue jets seem to be easier to see because their duration is hundreds of milliseconds to a second long, but they are much rarer and their blue light is difficult to see from the ground.

"Both the two-dimensional and three-dimensional models agreed and produced a realistic reproduction of a blue jet," Pasko said. "The charge distribution always creates a cone shape."

The model assumes an internal streamer structure and while there are differences in the two- and three-dimensional



Victor Pasko, associate professor of electrical engineering, standing, and **Jeremy George**, undergraduate in electrical engineering, applied both a two-dimensional and three-dimensional version of the model to replicate a blue jet, a phenomenon of electrical energy.

Photo: Greg Grieco

models, seem to confirm that blue jets are made of many small streamers and not a solid glowing column.

Since 1994, researchers have studied blue jets to see how they compare to the better-known red sprites. One difference is that while red sprites always follow a substantial lightning strike, blue jets are not directly triggered by lightning. They are, however, related to strong hail activity in thunderstorms.

"Hail is indicative of a large charge separation and hail is negatively charged," Pasko said. "When hail falls from the sky, a very positively charged cloud remains overhead."

Blue jets propagate from the tops of

clouds toward the ionosphere 12 to 30 miles high. They are a mile or two at the base and five or six miles at the top and are always cone shaped and blue.

Blue jets propagate slowly from bottom to top, but extinguish simultaneously. Blue starters have the same properties, but travel a shorter distance into the atmosphere.

The researchers did find that using the same fractal models, with a low charge as input, produced short blue jets, or blue starters. "Blue starters appear to be just jets that never quite make it," Pasko said.

Andrea Messer can be reached at
aem1@psu.edu.

Black holes found in distant quasars

An international team of scientists led by Niel Brandt, associate professor of astronomy and astrophysics, has used NASA's Chandra X-ray Observatory to detect the three most distant-known quasars, among the most luminous objects in the universe.

The team's observations with Chandra recorded high-energy X-ray emissions that were produced more than 10 billion years ago by the quasars' massive black holes.

The discovery that these quasars are prodigious producers of X-rays indicates the supermassive black holes powering them were already in place when the universe was only about 1 billion years old.

"Chandra's superb sensitivity has allowed the detection of X-rays from the dawn of the modern universe, when the first massive black holes and galaxies were forming," Brandt said. "These results indicate that future X-ray surveys should be able to detect the first black holes to form in the universe."

The three quasars were recently discovered at optical wavelengths by the Sloan Digital Sky Survey—a large international effort that aims to observe 100,000 quasars, measure the distances to a million galaxies and produce a comprehensive digital map of the sky. The three quasars are 13 billion light years from Earth, making them the most distant known quasars. Brandt's team includes Donald Schneider, professor of astronomy and astrophysics, who has been chair of the Sloan Digital Sky Survey Quasar Science Group since its inception in the early 1990s and has set many previous records for the discovery of "most distant" quasars, Gordon Richards, postdoctoral scholar, and many scientists from the Sloan survey.

For more of this story, go to <http://www.science.psu.edu/alert/Brandt3-2002.htm>

Erie professor's Web site locates aquatic flies, shares years of research

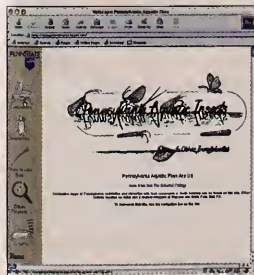
To some people, insects are just bugs. To Ed Masteller, insects—especially Pennsylvania's caddisflies and stoneflies—are a valuable natural resource and a good indicator of water quality throughout the commonwealth. He's sharing his years of research on these two insects on a new Web site, <http://paquaquaticfliesrus.bd.psu.edu>.

Masteller, known affectionately as the "bug man" by students and colleagues, is professor emeritus of biology at Penn State Erie. In addition to research on caddisflies and stoneflies, he collaborates with Pennsylvania Sea Grant on studies of mayflies, native mussels and has an abiding interest in sustainable ecology. The Web site is named Pennsylvania Aquatic Flies Are Us and includes distribution maps of caddisflies and stoneflies and their occurrence in North America.

"The caddisfly and the stonefly are superior indicators of water quality in Pennsylvania's streams," Masteller said. "Trout fishermen love to see them and will often tie flies that duplicate these two insects."

Masteller received a grant from Pennsylvania's Wild Resource Conservation Fund to study the trichoptera (caddisflies) in 1989-90, and during his research recorded 319 species in 21 families and 73 genera throughout Pennsylvania. He prepared a two-volume report on his findings and shared it with colleagues, and that report is now in its third edition. He also was funded by the Wildlife Resource Conservation Fund in 1995 to study plecoptera (stoneflies). During his research he recorded 194 species in nine families and 41 genera, and produced yet another multi-page volume of his findings.

But Masteller did not stop there. Along with scientific colleagues, fishermen and others throughout Pennsylvania who are interested in collecting and recording data, he continues to find new location in Pennsylvania of both the caddisflies and the stoneflies. Rather than keep publishing additional expensive paper volumes of his records, he opted for a Web site that could be easily updated with new information.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Jule A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Road trip



Last year's Road Scholars tour included a stop at Independence Mall in Philadelphia. This year's group will return to the historic area.

Photo: Bill Mahon

Road Scholars tour set for May 5-7

Established in 1996, the Road Scholars tour has continued to grow in popularity among faculty from all University locations. This year's tour, scheduled for May 5-7, will take faculty through the southeastern part of Pennsylvania.

The three-day tour will give participants a glimpse of the variety of attractions, businesses and communities found in Pennsylvania, as well as a look at how the University contributes to this statewide community through its mission of teaching, research and outreach.

President Graham B. Spanier organized the first tour in 1996, after his own statewide tour to all of the campuses. He heard so many positive comments from that first tour that he decided to make it an annual event.

Past tours have covered the western, central and northeastern portions of the state. This year, the tour concentrates on the southeastern corner.

The tour begins at 10:30 a.m. Sunday, May 5, as participants gather at The Penn State Conference Center Hotel on the University Park campus for ice breaker activities and brunch. They'll board buses at noon and head to Gettysburg. After a tour of the Gettysburg Battlefields, the group will head to Penn State Mont Alto for dinner and a campus overview, then



move on to Penn State Harrisburg to spend the night.

Monday's leg of the trip will stop at the Capitol in Harrisburg; visit Amish farms in Lancaster County; tour Carpenter Technology in Reading; and settle in at Penn State Berks for the night.

On Tuesday, the group will tour Independence Mall in Philadelphia, have lunch at the Reading Terminal Market in down-

town Philadelphia; visit the Marlboro Mushroom farm; have dinner at Penn State Hershey Medical Center; and return to State College.

There is no cost to faculty participating in the tour; transportation, meals and lodging are provided by the Office of the President.

For more information or to register for the tour, call (800) 778-8632. Registration deadline is April 19.



Intercom

INFORMING THE PENN STATE COMMUNITY

APRIL 11, 2002

Organizational changes announced in Undergraduate Education

In order to strengthen the University's commitment to the improvement of teaching and learning, Executive Vice President and Provost Rodney Erickson has announced a reorganization of several units that have been active in connecting and supporting faculty and graduate assistants who rely on

the resources that are encompassed in these services.

On July 1, the Schreyer Institute for Innovation in Learning (SIIL), the Center for Excellence in Learning and Teaching (CELT), University Testing Services (UTS) and the Teaching and Learning Consortium

(TLC) will be folded into the Schreyer Institute under the leadership of Renata Engel, the current director of the SIIL. Engel will report to John Cahir, vice provost and dean for Undergraduate Education. These changes are a direct result of the strategic planning process that was completed in Jan-

uary. Several of the individual strategic plans and discussions gave strong endorsement to the University's efforts to improve teaching and learning, and suggested that a consolidated effort would give it even greater visi-

Undergraduate Education, page 3

eLion system wins national accolades

BY ALLISON KESSLER
Public Information

Colleges and universities across the country attempt to mirror Penn State's highly successful online academic advising system. But eLion certainly has managed to turn more than the heads of academia. Now, eLion has attracted the attention of the Computerworld Honors Program, as it formally became part of the Computerworld Honors Archive at ceremonies April 7 in San Francisco.

Each year, the Computerworld Honors Program identifies and honors organizations worldwide whose visionary use of information technology produces and promotes

eLion, page 3

University community to Take Back the Night

BY JULIE A. BRINK
Public Information

The University community will come together to remember victims of sexual assault during the annual Take Back the Night rally and march at 6 p.m. April 17 in front of Old Main on the University Park campus. The event is being held in observation of Sexual Assault Awareness Month.

Jan Jacobs, vice president for administration, will offer remarks. Representatives of the Centre County Women's Resource Center, the Center for Women Students and a student assault survivor also will speak during the rally, which will be followed by a march through the campus and the community.

Rally, page 2

Presidential visit



President George W. Bush, left, took a moment to chat with President Graham B. Spanier during a visit to Penn State Delaware County on April 2. For the story and more photos, please see page 6.

Photo: Greg Griesco

Rally

Continued from page 1

Each year about 100 students report to Health Services or others that they are the victims of sexual assault, according to Margaret Lora, interim director of the Center for Women Students. But, that's just the tip of the iceberg, she said. According to national statistics, fewer than 1 in 10 will tell someone about their assault. Lora believes the University reflects those national statistics and that a more accurate figure for University Park is 1,000 assaults per year.

To increase awareness, members of Womyn's Concerns, Center for Women Students, Men Stopping Rape, Centre County Women's Resource Center and PHREE (Peers Helping Reaffirm Educate and Empower) have placed banners at the HUB-Robeson Center asking male students to sign a commitment pledge stating they will not condone, nor remain silent about sexual assaults. Among them will be a banner signed by all 60 members of the Arnold Air Society squadron, a service organization of the ROTC.

"Our group plans to march with it," according to Sean Chupis, project leader.

Last year between 500 and 600 people took part in the Take Back the Night activities. Laurie Rosenberger, co-director of Womyn's Concerns, would like to see many more people come out for this year's activities.

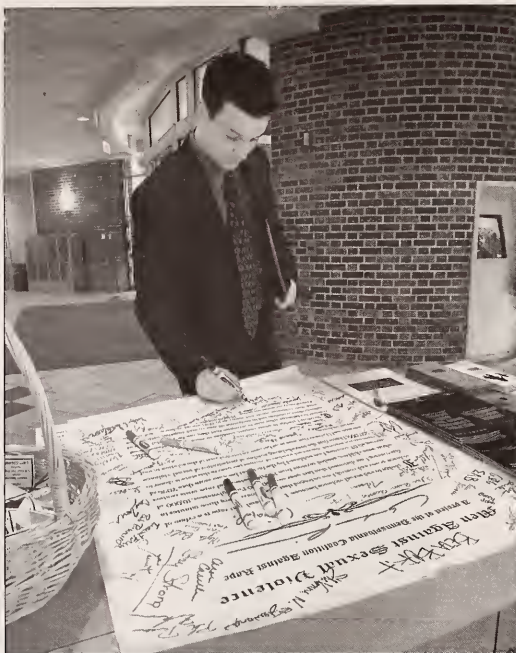
"The rally is really important because we get a lot of information out there," she said. "But the most powerful part for me has been the march and the stops and hearing person after person come out and tell their story."

After the opening remarks, marchers wind through the campus and borough stopping at various sites where sexual assaults have occurred. At this point, men are invited to leave the march and participate in a group discussion. The women then form supportive circles and sexual assault victims talk about their experiences.

"For a lot of people it's the first time they've ever told anybody," Rosenberger said.

"To see all these people come out and tell what happened to them is a transformative experience," she continued, "especially for people who aren't survivors to realize the enormity of the problem."

The University is serious about preventing sexual assaults through education. Margaret Spear, director of University Health Services, heads a town-gown committee, the Coalition Against Relationship and Sexual Violence, that has oversight of policies, protocols and practices with regard to the University. The coalition represents the breadth of the University — residence life, University Police, athletics, University Health Services, Judicial Affairs, Center for Women



Joey Manfredo, a public relations major from the Schreyer Honors College, signs the "Men Against Sexual Violence" charter inside the HUB-Robeson Center on the University Park campus.

Photo: Greg Greco

Students, as well as students. It includes two members of the Centre County Women's Resource Center.

"There's work going on both sides of College Avenue," Spear said.

The coalition describes itself as an umbrella group for many of the University efforts related to sexual assault awareness. It rewrote the protocols for dealing with sexual assault on campus and helped write the proposal for a two-year grant from the U.S. Department of Justice. That grant, awarded in 2000, for the amount of \$451,409, has helped fund a number of initiatives aimed at training and education.

Among them:

- the addition of sexual assault counselor in Counseling and Psychological Services in Ritenour Building;

- a training curriculum developed for all judicial affairs employees at all campuses. Beginning this spring all hearing officers will take one day of intensive training.

- training on sexual assault for campus police;

- training for student affairs staff and other staff on sexual assault, relationship and domestic violence, stalking and diversity issues;

- forensic exams using "rape kits" for

victims on campus to preserve evidence that can be used in a legal setting; and

- working with issues of educating men about sexual assault.

Lora said the mandate for this year is to work with underrepresented groups — to develop a relationship with people of color, members of the lesbian, gay, bisexual and transgender community, international students, transfer students and adult students.

Maureen Jones, project coordinator, sexual assault/domestic violence specialist, is involved in a number of education programs for students, faculty and staff to enhance awareness. From talking to students, she concurred that Lora's estimate of about 1,000 assaults a year is right on target.

"It just really happens to so many women on campus — men too — but to a much larger extent to women," she said.

But, she added, the commitment of various departments around the University to collaborate on this issue has been very positive.

Jones is trying to get a new program off the ground. She'd like professors who have to cancel classes for conferences or other activities to contact her at the Center for Women Students and she'd send someone to the class to give a presentation on issues of violence against women. "Bring us in, we can have conversations about the issues," she said.

The coalition also collects anonymous data on sexual assault which they report annually. The information is taken by faculty/staff who interact with victims of sexual assault.

Spear and Lora both noted that in the past couple of years there's been an increase in the percentage of students who are reporting what's happening to law enforcement.

"My guess is that's because in this community, law enforcement has invested significant resources in training police officers so that they understand crimes of sexual violence and are sensitive to victims," Spear said.

Lora said she sees the increase as progress because her work is about making a safe environment for students to come forward with their experiences.

"Education is an ongoing process," she said. "Since every year there's about 6,100 new students on campus, we have to continue to make students aware of what happens."

The coalition is in the process of applying to the Justice Department for another two-year grant to continue the work.

Julie Brink can be reached at jab81@psu.edu.

Quality Expo showcases accomplishments

By BILL CAMPBELL
Special to Intercom

The innovative use of cutting-edge information technology to improve service and enhance quality will be highlighted at the 10th annual Quality Expo held in conjunction with a higher education conference May 16 and 17 on "Enhancing Services through Customer-Centered Technologies."

Quality Expo 2002, featuring 42 exhibits, will be held from 11 a.m. to 2 p.m. Thursday, May 16, in the President's Hall at The Penn State Conference Center Hotel on the University Park campus.

Quality team members will showcase their accomplishments and discuss how they have used information technology to improve their processes. The Expo is free to the public and is the kick-off event for the two-day conference.

Provost Rodney Erickson will welcome conference participants. The keynote speaker is Amir Hartman, a senior fellow at Harvard Business School Interactive and a leading global authority on the business value of information technology. He is the author of *Net Ready: Strategies for Success in the E-Economy*.

Following his talk, panelists from several universities will discuss the organizational culture and structure that is needed to support and facilitate the realization of Web strategies and how to make a university "Net-ready."

Mary Donato, vice president of the Global TeleWeb Channel for the Xerox Corp., will speak at the luncheon session on Friday, May 17. She is a member of the University's eBRC (Electronic Business Research Center) Advisory Board and leads the Marketing Council of the American Management Association.

Conference sessions will provide opportunities for participants to discuss topics

"While new technology will be demonstrated and discussed, the real focus of the Expo and the conference will be on the use of technology to better serve our stakeholders."

Louise Sandmeyer, executive director
Center for Quality and Planning

such as personalizing the Web; converting data into information; anticipating resource needs for new technologies; and protecting data. Both the Expo and the conference are co-sponsored by the Center for Quality and Planning, Web Strategies Implementation Team and the National Consortium for Continuous Improvement.

"While new technology will be demonstrated and discussed, the real focus of the Expo and the conference will be on the use of technology to better serve our stakeholders," said Louise Sandmeyer, executive director of the Center for Quality and Planning. "Technology is a tool to enhance service to our faculty and staff, students and alumni. We are looking for ways to improve service through the use of technology."

Expo and conference visitors will have an opportunity to view a wide range of new technologies being employed by units throughout the University. At the World Campus HelpDesk exhibit, team members will demonstrate how they are using technology to better serve students.

"We are challenged by the fact that all of our students are at a distance," Stephen Murgas, team leader, said. "There are no walk-ins, so we must use the latest innovations in technology to overcome the obstacles in reaching the students."

The team has built its own tracking system that will be demonstrated at the Expo. Murgas said it is not a traditional customer resource management system, but is a custom-designed relational database system, meeting the needs for the greatly varying courses supported.

Another exhibit will feature the Penn State Portal. Developed by Information Technology Services, it is similar to My Netscape or My Yahoo in that it enables users to choose information that is most important and interesting to them by adding and removing built-in content "containers" called channels. James Leous, team leader, said the Penn State Portal pulls together a number of University Web sites and allows access account holders to personalize the way they want to look at information. Several laptop computers will be set up for visitors to try the portal. Team members will be on hand to offer advice on how to best use it.

At the Enterprise Information Systems (EIS) exhibit, sponsored by the University Budget Office and Enrollment Management and Administration, quality team members will demonstrate EIS, a Web-based query report tool that provides summary information on enrollments, admissions and other University data. Visitors will be able to view the site and learn how to pull up data.

In addition to the University projects, the National Institutes of Health will have an exhibit on its Electronic Research Administration Project Team (eRA) and Kent State University will feature its Academic Quality Improvement Project Steering Committee.

For information on conference registration and fee, visit <http://www.outreach.psu.edu/enhancingervices>. To learn more about the Quality Expo, visit <http://www.psu.edu/president/ecpi>.

Bill Campbell can be reached at wjc1@psu.edu.

eLion

Continued from page 1

positive social change. These innovators, true revolutionaries in their respective fields, are nominated by chief executive officers of the world's leading information-technology companies. Thomas Nies, president and chief executive officer of Cincom Systems, nominated Penn State's eLion in the education and academia category for the ease with which it allows students to navigate their academic schedules.

"Academic advising is a critical factor in enabling students with on-time, successful completion of graduation requirements. Through the application of technology, Penn State's advising process has been measurably improved and the delivery of student academic services also have been enhanced," said James Wager, assistant vice provost for enrollment management and University registrar.

Special functions of eLion include:

- academic and advising references, which include links to information such as advising procedures, University programs and courses, career assistance, continuing and distance education, administrative offices, and policies and rules;

- student services, which provide students with access to their own administrative records, an ability to take academic actions and receive quality academic advice in the process;

- faculty services, which enable faculty members to receive class lists online; and

- adviser services, which provide pertinent information on students' academic activities and achievement to advisers only.

eLion was not created to replace face-to-face contact with academic advisers.

"The system is designed to be a tool that will supplement and enhance the current advising model. It has not been designed to replace the existing system," said Eric White, executive director of the Division of Undergraduate Studies. "Rather, through the use of current technology and networking capabilities, the system has been structured to assist both the academic adviser and the student as they work through the academic advising process at Penn State."

eLion is a collaborative project at the University among three administrative areas — Enrollment Management and Administration, Information Technology Services and Undergraduate Education. The eLion Web-based services are housed and maintained by Administrative Information Services, a unit of ITS@Penn State.

Allison Kessler can be reached at akessler@psu.edu.

Undergraduate Education

Continued from page 1

bility, effectiveness and national recognition while maximizing cost effectiveness.

"There is a remarkable group of people and a synergy of resources available in these units," according to Cahir, "and the reorganization that is being implemented will better position the University to respond to the needs of faculty as they adapt their teaching to the changing learning environments of Penn State students."

Erickson noted that John Brighton's three years of service in creating the TLC and involving more than 100 faculty, students and administrators in its work has provided a great deal of momentum to the University's efforts to enhance the environment for teaching and learning.

"We're very high energy to John for giving his prestige, high grade and effective leadership to the task of making Penn State an even more vibrant, active learning community," said Erickson.

Linkages of other types to the Schreyer Institute also will be forthcoming. In particular, the Teaching and Learning with Technology unit, headed by John Harwood, senior director in Information Technology Services (formerly Computer and Information Systems) will work closely with the Schreyer Institute on the application of technology to improve teaching and learning. World Campus instructional development will draw on the resources of the Schreyer Institute as well.

President Graham B. Spanier cited these moves as a bold statement of Penn State's commitment to teaching and learning, and to raising the quality of both undergraduate and graduate educational experiences, while using University resources wisely and well.

Cahir will conclude a distinguished career of scholarship in teaching, research and service on Sept. 30.

"John Cahir will be a tough act to follow," noted Erickson. "These organizational changes that he has helped to bring about will ensure the continuation of strong support for excellence in teaching and learning." A search for the vice provost for Undergraduate Education position will commence later this month.

For a list of Intercom guidelines, check the Web at

<http://www.psu.edu/intercom>

Lectures

Memorial lecture focuses on Cherenkov effect

Roberto D. Merlin, professor of physics, electrical engineering and computer science at the University of Michigan, will present the Jeffrey S. Lannin Memorial Lecture in Physics at 4 p.m. Wednesday, April 17, in 117 Osmond Laboratory on the University Park campus.

The free public lecture is "The Dark Side of the Cherenkov Effect: Light Emitting Light at Subluminal Speeds."



Roberto D. Merlin

Merlin's research specialty is experimental condensed-matter physics. His current interests focus on the interactions of solid materials with ultrafast laser pulses.

The Lannin Memorial Lectures are supported by donations to the Eberly College of Science Jeffrey S. Lannin Memorial Fund in memory of Lannin, who was a professor of physics at the University from 1986 until his death in 1997.

Air quality symposium planned for April 16-18

A symposium on the use of native plants as ozone air pollution detectors, a first look at plans for the University's Air Quality Learning and Demonstration Center and a field trip to an electric power generation station near Johnstown will highlight the 34th annual Air Pollution Workshop being held April 16 to 18 by Penn State's air pollution and forest effects research programs.

John Skelly, professor of plant pathology, is the local workshop organizer and host. Vick Havens, chief of the Division of Air Resource Management, Pennsylvania Department of Environmental Protection, Bureau of Air Quality, will present the keynote speech. Workshop topics include "Ozone, Monarch Butterfly and Milkweeds," "Setting National Ambient Air Quality Standards," "Ozone Injury to Plants" and discussions of "Future Research Needs."

Lunch focuses on eLion application for advisers

The eLion application Academic Review will be the topic of a brown-bag lunch from noon to 1 p.m. Wednesday, April 17, in 220 Thomas Building on the University Park campus.

Michael J. Leonard, assistant director of the Division of Undergraduate Studies (DUS), will provide a demonstration and hands-on instruction in using the applica-

On Tuesday, April 16, at the workshop, Skelly will unveil plans for the Air Quality Learning and Demonstration Center in a formal ceremony to honor financial supporters of the project including the state Bureau of Air Quality, the College of Agricultural Sciences and The Environmental Resources Research Institute, Allegheny Energy Supply and Reliant Energy Inc. Current plans call for the Air Quality Learning and Demonstration Center to be sited in the future Penn State Arboretum.

The electric power plant tour will take participants to Conemaugh Station where 640 tons of coal are used per hour. The station has a very aggressive air pollution control program and participants will be given a behind-the-scenes tour.

The workshop is open only to registered participants. To register, call John Skelly at (814) 865-7584 or e-mail jms34@psu.edu.

tion, which has been pilot-tested by DUS and the School of Information Sciences and Technology. It soon will be available to all advisers within the University community.

The event is open to all faculty and staff who are interested in advising.

For information, call Laura Brown at (814) 865-7576 or e-mail lsb7@psu.edu.

Pollard Lecture topic is chromosome structure

Jonathan Widom, chairman of the Department of Biochemistry, Molecular and Cell Biology at Northwestern University, will present the 2002 Ernest C. Pollard Lecture at 4 p.m. Monday, April 15, in 101 Altohouse Laboratory on the University Park campus.

Widom will discuss "Chromosome Structure and Gene Regulation." His free public lecture will address fundamental problems in the molecular mechanism of the regulation of genes.

Widom has studied the structural biology and biophysical chemistry of proteins,

nucleic acids and protein-nucleic-acid complexes for the past two decades, with a primary focus on the structure and function of chromosomes.

The Ernest C. Pollard Lecture is named in honor of the professor of physics who taught at Penn State from 1961 to 1971 and founded the Department of Biophysics. In 1979 the Department of Biophysics merged with the Department of Microbiology and Biochemistry to form the present Department of Biochemistry and Molecular Biology.

Author explores hunt for North American diamonds

Kevin Krajick, journalist and author of the *Barren Lands*, will discuss "The Hunt for North American Diamonds" at 7:30 p.m. Wednesday, April 17, in 112 Steidle Building on the University Park campus.

Krajick, longtime contributor to magazines including *National Geographic* and *Newsweek*, will explain the science of diamond-hunting and the competition between small-time prospectors and De Beers.

The talk will be illustrated by slides of rare historical images and photos of the northern diamond mines.

It is accompanied by an exhibit of American diamonds, diamond ore and artifacts of the domestic diamond hunt. The author will sign copies of his book.

For information, call Andrew Sicee at (814) 865-6427.

The event is free to the public.

Lecture looks at forage productivity of chicory

Maria Labrevueux, a master of science candidate in agronomy, will present a lecture from 3:35 to 4:25 p.m. Friday, April 12, in 101 Agricultural Sciences and Industries Building on the University Park campus.

The topic is "Summer Stress Tolerance

and Forage Productivity of Chicory and Plantain in the Northeastern United States."

The host for the event is the Department of Crop and Soil Sciences. For information, call (814) 863-1601.

Journalism scholar to give Pockrass Lecture

Richard Cole, dean and professor in the School of Journalism and Mass Communication at the University of North Carolina at Chapel Hill, will deliver the Pockrass Lecture in Mass Communications at 7 p.m. Tuesday, April 16, in Carnegie Cinema on the University Park campus.

Cole is editor of the book, *Communication in Latin America: Journalism, Mass Media and Society*.

The Pockrass Lecture in Mass Communications was established in memory of Robert M. Pockrass, a member of the University's journalism faculty from 1948 to 1977.

Alumnus to lecture on 'Biz, Buzz and Birdfeeds'

College of Communications alumnus George Glazer, president of Broadcast Media Inc., will present a free public lecture at 7:30 p.m. Monday, April 15, in 113 Carnegie Building on the University Park campus.

Glazer, a 1952 Penn State graduate with degree in journalism, will speak on "Biz, Buzz and Birdfeeds equal Profit Without Print and TV. Your MBA is Worthless."

Professor to discuss genetics at colloquium

Marla B. Sokolowski, professor of biology and zoology and Canada research chair in genetics at Erindale campus of the University of Toronto, Ontario, Canada, will speak on "Behavioral Genetics: From Nature to Molecule" April 16 on the University Park campus.

Her speech is part of the Life Sciences

Consortium's Colloquium and will be video conferred at 4 p.m. from 101 Thomas Building to Lecture Room D at Hershey Medical Center.

Sokolowski's laboratory is best known for its work on the mechanistic and evolutionary bases of food search behaviors in the fruit fly *Drosophila melanogaster*.

Brazilian artist to lecture on wearable books

Geraldo Orthof, a Brazilian artist and art professor at the Instituto de Artes of the University of Brasilia in Brasilia, will lecture at 2 p.m. Wednesday, April 17, at the Palmer Lipson Auditorium in the Palmer Museum of Art on the University Park campus.

His lecture will explore his ongoing series of wearable books, titled "theStriperLibrary,"

which was included as part of a five-artist collaborative installation at the Bank of Brazil Cultural Center in Brasilia, Brazil.

Orthof will be at the University for one month as part of an international faculty exchange program between Penn State and the Instituto de Artes of the University of Brasilia.

'Snapshots' focuses on news source research

The University Libraries' Arts and Humanities Library is offering the seminar "Snapshots in Time: Finding and Using Historical News Sources" from 10 to 11:30 a.m. Friday, April 12, in Foster Auditorium, 101 Pattee Library, University Park.

"Snapshots in Time" will demonstrate

the methods and tools necessary to effectively locate newspaper articles of interest. The seminar will discuss the Libraries' newspaper collection.

The seminar is free to the public. No registration is required. For information, call Eric Novotny at (814) 865-1014 or e-mail ecn1@psu.ia.ia.psu.edu.



More Lectures

Davis to present lecture on counter-terrorism

Jay Davis, National Security fellow at the Center for Global Security Research at Lawrence Livermore National Laboratory, will present the W. John and Gail M. Hussey Commemorative Lecture in Meteorology at 4 p.m. April 18 in 112 Walker Building on the University Park campus.

The title of his talk is "The Contributions of Science and



Jay Davis

Technology to Counter-Terrorism."

Davis' current interests are homeland defense, nuclear and biological forensics, applications of accelerator technologies to multidisciplinary research, and strategic planning and management of change in organizations.

For information about this lecture, call Lynn Persing at (814) 863-8568.

Lima to discuss Carrington's alchemical art

The Comparative Literature Luncheon, a weekly informal lunchtime gathering of students, faculty and other members of the University community, has announced the next speaker in this semester's series.

The events begin with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy something in Kern Cafeteria. Coffee and tea are

provided. The speaker will begin at about 12:40 p.m. The events are free to the public.

Robert Lima, professor emeritus of Spanish and comparative literature and fellow emeritus of the Institute for the Arts and Humanistic Studies, will discuss "The Alchemical Art of Leonora Carrington through Jung's Coniunctio" on April 15.

For information, e-mail Daniel Walden at dkw8@psu.edu.

Nobel laureate to present lecture

Eric Cornell, co-winner of the 2001 Nobel Prize in physics, will present the second annual Eberly Family Distinguished Lecture in Science at 4 p.m. April 18 in 112 Kern Building on the University Park campus.

The free public lecture is "Stone-Cold Science: Bose-Ein-

stein Condensation and the Weird World Within a Millionth of a Degree of Absolute Zero."

Cornell's area of research involves the universe of low-temperature physics. He has an active research program in the area of atom optics.

For information about this lecture, call (800) 297-1429.



Eric Cornell

'Queer Norms' is topic for Millennium Series

Michael Warner, professor of English at Rutgers University-New Brunswick, will lecture on "Queer Norms," from 4 to 6 p.m. Thursday, April 18, in the Foster Auditorium, 101 Pattee Library, University Park.

Warner is a specialist in queer literary theory and in 18th- and 19th-century American literature.

This is the last presentation in the "Millennium Approach: Queer Literary Studies in

the 21st Century: A Lecture Discussion Series," organized by the Department of English. Warner's presentation is rescheduled from its original date of Sept. 11, when it was to be the inaugural talk of the series.

The event will be followed by a reception in the Main Assembly Room, 103 Paterno Library.

The lectures are free to the public. For information call (814) 865-4383

Charitable financial planning seminar scheduled

John J. Brown Jr., president of John Brown Limited Inc., will present a seminar, "Financial Planning and Wise Philanthropy," Tuesday, April 30, at the Conference Center at Penn State Erie's Knowledge Park.

The seminar's morning session, from 8:30 to 10:30 a.m., is free to the public. The afternoon session, from 1 to 3 p.m., is free to non-

profit fund-raising personnel.

Brown, a consultant on charitable financial planning, assists professional fund-raising staff, donors and nonprofit organizations in maximizing financial support to charitable institutions while achieving the greatest tax benefits to donors.

For information, call (814) 898-6089.

NEWS IN BRIEF

Blood drives

The American Red Cross is holding a number of themed blood drives on the University Park campus.

The schedule follows:

■ Friday, April 12, noon to 6 p.m., Waring Lounge, "Carnival";

■ Monday, April 15, 10 a.m. to 4 p.m., HUB-Robeson Center Alumni Hall, "Beach Party";

■ Tuesday, April 16, 10 a.m. to 4 p.m., HUB-Robeson Center Alumni Hall, "Beach Party";

■ Thursday, April 18, 10 a.m. to 4 p.m., HUB-Robeson Center Alumni Hall, "Jungle Party"; and

■ Friday, April 19, 10 a.m. to 4 p.m., HUB-Robeson Center Alumni Hall, "Jungle Party."

For information or to schedule an appointment visit <http://www.psu.edu/redcross.org>.

Space Day 2002

A free Space Day 2002 celebration will be held from 10 a.m. to 3 p.m. Saturday, April 20, at the HUB Robeson Center on the University Park campus.

During Space Day 2002, adults and children can learn about Earth, air and space research at the University while engaging in hands-on activities. Scientists, engineers and students will discuss planet Earth and planetary neighbors, stars, black holes, galaxies and extra-stellar planets; the origins, evolution, distribution and destiny of life in the universe; effects of microgravity on the body; changes in atmospheric composition and global climate change; communication systems in space; and propulsion and real rocket science. For information, call Angela Phelps at (814) 863-3608.

Computer Expo

The 2002 Microcomputer Alumni Center (MOC) Computer Expo will be held from 10 a.m. to 3 p.m. Thursday, April 25, in the Nittany Lion Inn Ballroom on the University Park campus.

MOC staff, along with vendors representing Adobe, Apple, Autodesk/Torcomp, Canon, Compaq, Dell, IBM, Gateway, Hewlett Packard, Lexmark, Symantec, Toshiba and more will be on hand to demonstrate the latest computer hardware and software products and answer questions.

For information, visit the MOC Web site at <http://moc.cac.psu.edu> or call (814) 865-2100.

Web conference registration

Registration has opened for the annual

Penn State Web Conference scheduled for 8 a.m. to 5 p.m. May 15 at The Penn State Conference Center Hotel, University Park.

Pre-conference activities will also be offered May 14.

The conference is open to University employees who support an official Penn State Web site as a server administrator, writer, designer, programmer or manager for a University office, department, college or campus Web site.

Registration is required and seating is limited. The conference program, schedule and registration form are available at <http://www.psu.edu/webconference> on the Web.

Baby studies

The Infant Scientist Program is seeking infants to participate in various studies.

The lab conducts research that explores basic questions about infant perceptual and cognitive development.

The studies involve having infants look at shapes or moving dots on a computer monitor while sitting in a car seat or on a parent's lap. Visits take about 30 minutes and are made to fit into the families' schedules. Free visual screening is offered for all participants.

The lab also welcomes siblings to come and play with college students in the recreation area while the infants are involved with the study.

For information, parents may call (814) 863-5670, visit <http://esc.la.psu.edu/glmr/index.html> on the Web or e-mail babylab@psu.edu.

Technical difficulty

Due to a technical glitch, any applications for Commission for Women membership that were submitted via the commission's Web page were lost. Anyone who applied for membership via the Web site should re-submit the application. The application deadline has been extended to April 30.

For information about the Commission for Women, check the Web at <http://www lions.psu.edu/cfw/>.

For the Record

Leonard N. Zimmerman, dean emeritus of the Eberly College of Science and professor emeritus of bacteriology from Oct. 1, 1951, until his retirement Aug. 1, 1989, died Jan. 13 at the age of 78. Some information in his obituary, which ran on page 2 of the April 4 *Intercom*, was listed incorrectly due to a source error.

PENN STATERS

Ed Smith, associate professor of aerospace engineering, was presented with the 2002 American Institute of Aeronautics and Astronautics Sperry Award at Aerospace Sciences meeting in Reno, Nev. The award recognizes outstanding contributions to the field of aeronautics or astronautics by an institute member under 35 years of age.

Penn State Mont Alto's Forest Technology Program was one of 25 programs in North America recognized this month by the Society of American Foresters. It was recognized for its program objectives, laboratory and classroom experiences, strong curriculum and physical facilities, and faculty expertise, among others.

Presidential visit a first for Penn State

Add another name to the list of presidents who have visited Penn State.

Ten years after his father made a campaign stop on the University Park campus, President George W. Bush came to Penn State Delaware County on April 2 to emphasize the importance of early childhood education.

President Graham B. Spanier and Edward S.J. Tomezko, campus executive officer at Penn State Delaware County, greeted Bush upon his arrival and witnessed a roundtable discussion on issues facing urban early and middle childhood education.

"I want to thank Dr. Spanier for his hospitality, and thank him for being president of Penn State," said Bush. "I also want to thank Ed Tomezko for his hospitality and for managing such a beautiful campus."

A feeling of excitement enveloped the campus in advance of the visit — a hoopla that typically accompanies a visit from the leader of the free world.

"For President Bush to pick Penn State Delaware County for a stop ... I can't even describe how that makes me feel. It makes me feel really good about the University. It's such an honor that he's coming here, that he chose our campus — it really makes me want to tell the world that I go to Penn State Delaware County," said Gina Emilio, a freshman business major at the campus.

Emilio staked a strategic position in the lobby of the campus administration building at 7 a.m. the day before Bush's visit, determined to secure one of the sparse tickets to witness the first visit by a U.S. president to this suburban Philadelphia arm of Penn State.

While Emilio's persistence paid off in a ticket to the event, two other students got even better seats. Terri Swan and Jennifer Tatarelli, seniors in the University's Urban Early and Middle Childhood Education program, were invited to join the president at the roundtable discussion. Other participants included U.S. Secretary of Education Roderick Paige, regional leaders in early childhood education and selected faculty from the University's education programs.

Asked by Bush why they decided to become teachers, Tatarelli noted that she "had a lot of wonderful teachers" and was

"attracted to Penn State Delaware County's urban education program because I'm from an urban setting — Chester — and want to return to that setting to teach."

Swan said that Bush was "very down to earth. He made us feel very comfortable."

Tomezko was equally impressed with Bush.

"He was just sensational," said Tomezko. "He just swept into the room and was in control. He's the type of person with whom you just want to hang out."

During his speech before a crowd of about 700, Bush outlined a bipartisan message for reforming and bolstering early childhood education.

"We must give our children the basics of knowledge and character. As we continue our fight for freedom, we cannot leave a child behind," said the president, often referring to need for balance between the nation's ongoing commitment to fighting terrorism with vital domestic priorities such as education.

The president detailed proposals for sweeping enhancements to Head Start to improve the quality of experiences for young children. He also called for increased support by states to ensure that pre-school programs

are most closely coordinated with state kindergarten to 12th-grade education goals.

Finally, the president charged parents to fulfill the most important role of shaping their children's aptitude to learn in their formative years. To support this charge, he proposed improving the information available to parents and caregivers about the best practices in early childhood development, including a \$45 million research effort to identify effective early literacy programs and practices.

"Where America's children are concerned, there are no Republicans and Democrats. We're all moms and dads, grandmas and grandpas — all eager to help our youngest citizens succeed," said Bush.

For more details about the visit, as well as information about past presidential visits to Penn State, check the Web at <http://www.psu.edu/ur/flash/>.



Gina Emilio was the first student to sign up for a ticket to President Bush's speech.

Photo: Greg Gineco

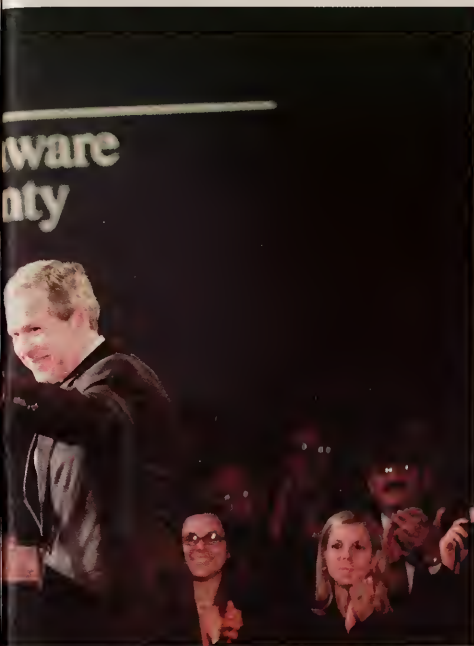


President George W. Bush addressed a crowd of about 700 at Penn State Delaware County.



Secret Service agents move people through metal detectors before allowing them building to hear President Bush speak.

e Delaware County



on the topic of early childhood development.

Photo: Greg Grieco



enter the

Photo: Jeffrey Wirth



Urban education students Terri Swan, left, and Jennifer Tatarelli, foreground, were at the roundtable discussion with President Bush before his speech. Afterwards, he again greeted them.

Photo: Annemarie Mountz

First family celebrates Ready to Learn service

President George W. Bush and Laura Bush held an event in the East Room of the White House on April 3 to celebrate early childhood education and featuring the PBS Ready To Learn service. This early childhood project, funded by the U.S. Department of Education, is offered by Penn State Public Broadcasting station WPSX-TV and nearly 140 other PBS stations in the United States. PBS Ready To Learn helps prepare children for school success by combining educational children's television with online learning and innovative training for parents, teachers and caregivers. Early childhood education and reading achievement are among the Bush Administration's top educational priorities, and were the topics of the

speech Bush delivered at Penn State Delaware County on April 2.

Laura Bush is honorary chairperson of the PBS Designated Reader Campaign, which will encourage parents to read to children every day.

The PBS Ready To Learn service supports the production of educational children's programming aired on WPSX-TV.

WPSX-TV also receives federal seed money for training and support materials that show parents, caregivers and teachers how to help children get ready to read, and succeed, in school.

For more information on Ready To Learn activities and resources, contact WPSX-TV, 102 Wagner Building, University Park, PA 16802; phone (814) 865-3333.



Ed Tomezsko, campus executive officer of Penn State Delaware County, left, worked with David Thompson of the White House advance team to build a banner for the event.

Photo: Debbie Blanton

Check the Web

For more stories and photos from President Bush's visit to Penn State Delaware County, check the Web at <http://www.psu.edu/ur/bush/>. Among the stories by Tysen Kendig included on the site are:

- President Bush outlines new commitment of support for early childhood education at Penn State Delaware County;
- Penn State Delaware County students abuzz as word of visit by President Bush spreads;
- They said it: Quotes from students in advance of the speech;
- Visits to Penn State by U.S. presidents;
- History of Penn State Delaware County; and
- Penn State quick facts.



Arts & Entertainment

'Dido and Aeneas'

The Penn State Opera Theatre and the Penn State Chamber Orchestra will present Henry Purcell's "Dido and Aeneas" at 8 p.m. Friday, April 12, and Saturday, April 13, in Eisenhower Auditorium on the University Park campus.

The vocal ensemble Sine Nomine will join the students to sing the choruses.

Admission is \$10 for adults and \$4.50 for students. Tickets are available at the Eisenhower ticket office.

Organ recital

Ann Marie Rigler will give an organ recital at 8 p.m. Sunday, April 14, in Esber Recital Hall on the University Park campus.

This will be Rigler's first recital at the University since joining the School of Music faculty in August 2001.

Admission is free to the public.

Mallet Ensemble concert

The Penn State Mallet Ensemble will present its annual spring concert at 8 p.m. Tuesday, April 16, in Esber Recital Hall on the University Park campus.

The concert is free to the public.

Centre Dimensions concert

Centre Dimensions will give its final concert of the year at 8 p.m. Wednesday, April 17, in Esber Recital Hall on the University Park campus.

Tickets are \$4 for adults and \$2 for students and may be purchased at the door.

Philharmonic Orchestra concert

The Philharmonic Orchestra will give a concert at 8 p.m. Monday, April 15, in Eisenhower Auditorium on the University Park campus.

Admission is \$4.50 for the general public and \$2.50 for students.

Glee Club concert

The Glee Club will present the annual Blue and White Concert at 8 p.m. Saturday, April 20, in Schwab Auditorium on the University Park campus.

The concert is dedicated to the memory of Frank Gulo, director of the Glee Club from 1942 to 1967. The performance will include returning alumni, selections by the Hi-Lo's and two varsity quartets.

Tickets are \$7 for general admission. Students with Penn State ID cards will be admitted free. For tickets, call (814) 863-0255.

For information on the Glee Club, visit <http://www.clubs.psu.edu/gleecub>.

Holocaust memorial events

A number of events are taking place at the HUB-Robeson Center and other locations on the University Park campus in conjunc-



Brad White and Laura Ames perform in "Angels in America." The play, by Tony Kushner, takes place April 12 through 20 at The Playhouse on the University Park campus. For tickets, call (814) 863-0255.

Photo: Greg Grieco

Gospel singer Bill Gaither is set to return with Homecoming Concert

Gospel singer Bill Gaither will present the Gaither Homecoming Concert at 7 p.m. Friday, June 7, at The Bryce Jordan Center on the University Park campus.

Scheduled to appear are the Gaither Vocal Band, Russ Taff, Talley Trio, The Easters, Jessy Dixon, Anthony Burger, Janet Paschal, Ben Speer, The Martins, Ivan Parker, Kevin Williams, Hoppers,

BRYCE JORDAN CENTER

Lynda Randle, Jake Hess and Taylor Mason.

Tickets are \$28.50 for Artist Circle and \$19.50 for reserved seating. Tickets for children 2-12 years old, senior citizens 60 and older and groups of 20 or more will be

\$16.50. Infants younger than 2 years old attend for free.

Tickets can be purchased at the Bryce Jordan Ticket Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, by calling (814) 865-5555 and (800) 863-3336 or online at <http://www.bjc.psu.edu>.

tion with Anne Frank exhibit. The schedule follows:

■ **Through April 30:** Handmade Holocaust books by Mount Nittany Middle School eighth-grade students will be exhibited.

■ **April 16, 18, 23, 24:** Witness to Genocide readings and monologues will be held at 12:30 and 5:30 p.m.

■ **April 14:** Conversations with Trudy Lipowsky and Beno Weiss, "Children of the Camps," will be at 4:30 p.m.

■ **April 17:** Staged reading of the play "The Diary of Anne Frank" begins at

7:30 p.m. in the HUB-Robeson Auditorium. Free tickets are available at the HUB information desk.

■ **April 18:** Stephen Feinstein will lecture on "Anne Frank and Others: Reflections On the Uses of Narrations and Art in Holocaust Memory" from 6:30 to 7:30 p.m. in the HUB-Robeson Auditorium. Feinstein is director of the Center for Holocaust and Genocide Studies at the University of Minnesota.

■ **April 19:** Peter Hohendahl will lecture on "The Theory of the Public Sphere Revisi-

ed" at 4 p.m. in 102 Weaver Building. Hohendahl is Schurman professor of German and comparative literature at Cornell University.

■ **April 23:** Nelly Toll will present "Imagining a Better World: Pictures by a Child in Hiding in Nazi-Occupied Poland, 1943," at 7:30 p.m. in the Lipcon Auditorium, Palmer Museum of Art. Like Anne Frank, Nelly Toll was concealed as a child during the Holocaust.

Visit <http://www.usa.psu.edu/galleries> for calendar updates and additions.



University Park Calendar

April 12 - April 21

SPECIAL EVENTS

Friday, April 12
"The Jefferson Suite," gallery talk by Joyce Robinson, noon, Christoffers Lobby, Palmer Museum of Art.
"Angels in America," 8 p.m. April 12, 13, 16, 17, 18, 19 and 20; 2 p.m. April 20; The Playhouse.

Sunday, April 14
"Children of the Camps," conversations with Trudy Lipowsky and Beno Weiss; 4:30 p.m., HUB-Robson Center.

Tuesday, April 16
Witness to Genocide reading and monologues; 12:30 and 5:30 p.m., April 16, 18, 23 and 24, HUB-Robson Center.

Wednesday, April 17
Center for Arts and Crafts Spring 2002 Sale, 9 a.m. to 5 p.m. April 17, 18 and 19, HUB-Robson Center.
The Diary of Anne Frank, staged reading; 7:30 p.m., HUB-Robson Center. Free tickets available at the HUB Information desk.

Friday, April 19
"Sam Gilliam: Recent Prints," gallery talk by Sam Gilliam, noon, Christoffers Lobby, Palmer Museum of Art.
Ice Rhythms 2002, with Olympic team alternate Matt Savole and Olympic pairs team alternates Stephanie Kakesavich and Aaron Parchem. For tickets, call (814) 865-4102.

MUSIC

Friday, April 12
"Didò and Aeneas," Penn State Opera Theatre and Penn State Chamber Orchestra, 8 p.m., Eisenhower Auditorium, through April 13. For tickets, call (814) 863-0255.

Saturday, April 13
The Kalichstein-Laredo-Robinson Trio and The Emerson String Quartet, 8 p.m., Schwab Auditorium. For tickets, call (814) 863-0255.

Sunday, April 14
Ann Marie Rigler, organ recital, 8 p.m., Esber Recital Hall.

Monday, April 15
The Philharmonic Orchestra, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Tuesday, April 16
The Penn State Mallet Ensemble, spring concert, 8 p.m., Esber Recital Hall.

Wednesday, April 17
Centre Dimensions, 8 p.m., Esber Recital Hall. Tickets are \$4 for adults and \$2 for students at the door.

Friday, April 19
Rapper Nell, with special guest the St. Lunatics, 8 p.m., The Bryce Jordan Center. For tickets, call (814) 865-5555.
The Washington Ballet, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Saturday, April 20
Blue and White Concert, The Glee Club, 8 p.m., Schwab Auditorium. For tickets, call (814) 863-0255.

SEMINARS

Friday, April 12
Fabian Bustamante on "The Active Streams Approach to Adaptive Distributed Systems," 10 a.m., 302 Pond Laboratory.
Anton Zeilinger on "Quantum Interference with Fullerenes and Other Macromolecules," 11 a.m., 339 Davey Laboratory.
Andrea Mastro on "Exercise Quality of Life and Recovery of CD4+ Lymphocytes Following Chemotherapy," 3 to 4 p.m., 127 Mallory Physical Center.

Juan Maldonado on "Strings on Plane Waves and Flat Space from Yang Mills Theory," 3:30 p.m., 339 Davey Laboratory.
Maria Labrevaux on "Summer Stress Tolerance and Forage Productivity of Chicory and Plantain in the Northeastern United States," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Melissa Wright on "Sex Work, City Work and the Politics of Place in Ciudad Juarez," 4 p.m., 301 Steidle.
Freeman Dyson on "Eight Tales for Technophiles: Examples of Success and Failure in Using Technology to Help the Poor," 8 p.m., 104 Keller.
Norman Hammond on "La Milpa: A Classic Maya City in Belize,"



Re-creation of the atbc, students from bottom Jamie Moss, with broom, Tess Gross, Sally Berens and Elena Ng prepare part of the Anne Frank exhibit. The exhibit runs through April 30 in the HUB-Robson Center on the University Park campus. Reservations are required. For additional information, check the Web at <http://www.sa.psu.edu/galleries>.

Photo: Greg Groce

B to 10 p.m., 107 Carpenter.

Monday, April 15
Richard Hsung on "Cycloaddition Reactions of Chiral Allenamides and Vinyllogous Amides in Natural Product Synthesis," 11:15 a.m., S5 Osmond Laboratory.
Robert Lima on "The Alchemical Art of Leonora Carrington through Jung's Coniunctio," 12:40 p.m., 102 Kern.
Yongjun Yan on "Enantioselective Diels-Alder Reactions Catalyzed by Chiral Bis (oxazoline) Metal Complexes," 1:15 p.m., S5 Osmond Laboratory.
Niall Murchacha on "Relativity Without Relativity," 3 p.m., 339 Davey Laboratory.
Jonathan Widom on "Chromosome Structure and Gene Regulation," 4 p.m., 101 Althouse Laboratory.
George Glazer on "Biz, Buzz and Birdfeeds Equal Profit: Without PR and TV, Your MBA is Worthless," 7:30 p.m., 113 Carnegie.

Tuesday, April 16
Dan Lidar on a subject to be announced; 3:30 p.m., 339 Davey Laboratory.

Tom Pinnavaia on "Mesosstructured Metal Oxides: Framework Access and Properties as Catalysts and Tripping Agents," 4 p.m., 112 Steidle.

Maria B. Sokolowski on "Behavioral Genetics: From Nature to Molecule," 4 p.m., 101 Thomas.

J.W. Schopf on "The Search for Ancient Life: A Fossil Hunter's Notions," 4 p.m., 26 Hosler.

Kati Vesty on "Molecular Mechanisms of Anthrax Toxicity," 4 p.m., S5 Osmond Laboratory.
Richard Cole, 7 p.m., Carnegie Cinema.

Wednesday, April 17
Andrew Lyon on "Stimuli-Sensitive Hydrogels: Particles and Assemblies," 11:15 a.m., S5 Osmond Laboratory.
Kaarin Anstey on "Cross-sectional and Longitudinal Associates

Among Sensory and Cognitive Aging: Cause or Correlation?", and Helen Christensen on "Exploring the Relationships Between Sensory, Physiological, Genetic and Health Measures in Relation to the Common Cause Hypothesis," noon to 1 p.m., 10B Wartik Laboratory.

Michael J. Leonard on the eLion application Academic Review, noon to 1 p.m., 220 Thomas.

Gerardo Ortolan on "TheaterLibrary," 2 p.m., Upon Auditorium, Palmer Museum of Art.

Roberto D. Merlin on "The Dark Side of the Cherenkov Effect: Light Emitting Light at Subluminal Speeds," 4 p.m., 117 Osmond Laboratory.

Alan Block on "Environmental Organized Crime and Pollution: Masterful Reflections," 4 p.m., 124 Agricultural Engineering.
Kevin Krajick on "The Hunt for North American Diamonds," 7:30 p.m., 112 Steidle.

Thursday, April 18
Thurs Zdanowicz on "Programming Languages for Secure Information Flow," 10 a.m., 302 Pond Laboratory.

Ravi K. Madabhushi on "Spray Modeling for Gas Turbine Combustor and Augmentor Applications," 3:30 p.m., C213 Coal Utilization Laboratory.

Jay Davis on "The Contributions of Science and Technology to Counter-Terrorism," 4 p.m., 112 Walker.

Eric Corneli on "Stone-Cold Science: Bose-Einstein Condensation and the World Within a Millionth of a Degree of Absolute Zero," 4 p.m., 112 Kern.

Michael Warner on "Queer Nations," 4 to 6 p.m., 101 Pattee Library.
"Workplace Identification in Post-9/11 American Employee Profiling: Permissible Identification or Prohibited Discrimination?" 4:45 to 7 p.m., Ballroom C, The Nittany Lion Inn.

Stephen Feinstein on "Anne Frank and Others: Reflections on the Uses of Narrations and Art in Holocaust Memory," 6:30 to 7:30 p.m., auditorium, HUB-Robson Center.

Friday, April 19
Stephanie Weirich on "Programming with Types," 1D a.m., 302 Pond Laboratory.

Eric Corneli on "Artifice and Equilibrium: Experiments with Synthetic and Natural Vortices in a Superfluid Gas," 11 a.m., S5 Osmond Laboratory.

Peter Hohendahl on "The Theory of the Public Sphere Revisited," 4 p.m., 102 Weaver.

Thomas Perreault on "Indigenous Organizing and Land Rights in the Ecuadorian Amazon," 4 p.m., 301 Steidle.

EXHIBITS

HUB-Robson Center
"Freedom to Fly: The Life and Times of Basketball's African-American Pioneers," through May 12.

"Hands Across the Sea: Metallic Art from Poland and America," through May 1.

"Anne Frank: A History for Today," through April 30.
Handmade Holocaust books by Mount Nittany Middle School eighth grade students, through April 30.

Kern Commons exhibition area
"Images From Our Heritage: Experiences of Penn State Hiller Students in Israel," through May 12.

"The Nazi Scourge: Postal Evidence of the Holocaust and the Devastation of Europe," through May.

Palmer Museum of Art
"Sam Gilliam: Recent Prints," through May 26.
Digital work by John Paul Capogirino, through June 2.

"Carrie Mae Weems: Jefferson Suite," through June 9.
Pattee and Pattee Library exhibit areas
"Smart Books, Smart Design," through May 3.

"The Many Realms of King Arthur," through May 10.

Warnock Commons
"Photographic Ethnobotany: Peruvian Plants and People," photographs by Benjamin Chemel, through May 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming conference and institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Appointments

Pawelczyk appointed to blue-ribbon NASA panel

James A. Pawelczyk, assistant professor of physiology and kinesiology in the Noll Physiological Research Center of the College of Health and Human Development, has been appointed to the Research Maximization and Prioritization Task Force (REMAP), a blue-ribbon panel that will provide important guidance to the National Aeronautics and Space Administration (NASA) on how the agency can maximize the scientific returns of many of its research programs, including the International Space Station.

REMAP will perform an independent review and assessment of research productivity and priorities for the entire scientific, technological and commercial portfolio of NASA's Office of Biological and Physical Research and will provide recommendations on how to best achieve its research goals within the federal budget. Pawelczyk is one of 20 people selected to



James A. Pawelczyk

serve on the task force. His research focuses on the dynamic regulation of blood pressure and how disuse atrophy affects blood pressure regulation. Problems with moment-to-moment regulation of blood pressure lead to orthostatic intolerance, an inability to maintain adequate blood flow to the brain that affects as many as 500,000 Americans. The condition is routinely observed following space flight, which Pawelczyk has studied as a NASA-funded investigator since 1995.

Pawelczyk was a payload specialist for NASA's Neurolab (STS-90) mission, which launched on the Space Shuttle Columbia in 1998. He logged 16 days and 6.4 million miles in space, circling the earth 256 times and conducting neuroscience experiments that addressed changes in the development of the nervous system, balance, blood pressure regulation, sleep and control movement during space flight.

Professor named Pioneers chair in cable communications

Rob Frieden, professor of communications, has been named the Pioneers chair in cable telecommunications in the College of Communications.

A leading analyst in the field of telecommunications and Internet infrastructure, Frieden has authored many comprehensive works on cable satellite television, communications law and international telecommunications. He teaches courses in economics, law and management.

He provides legal, management and market forecasting consultancy services in fields



Rob Frieden

such as personal and mobile communications, international telecommunications, business development and satellites.

Before joining the faculty in 1992, Frieden served as deputy director-international relations for Motorola Satellite Communications Inc. He has held senior-level policy making positions in government and worked in the private sector as an attorney.

Frieden earned his law degree at the University of Virginia in 1980 and his bachelor's degree, with distinction, from the University of Pennsylvania in 1977.

Berks-Lehigh Valley welcomes several newcomers to staff

Penn State Berks-Lehigh Valley College announced the appointment of several staff members:

■ Debra Swarner has joined the Career Services staff as the coordinator of placement and internships. She will provide career-related services to students. Swarner will work to facilitate internships and job placements for Lehigh Valley students. She will be the primary contact for students and businesses in the greater Lehigh Valley area. Swarner earned her master of arts in counseling at Eastern College in St. David's in 1995 and her bachelor of arts in family studies at Messiah College in 1986.

■ Brynnmarie Dorsey has accepted the position of nurse practitioner for the Health Services Center at the Berks campus. She

was previously employed as a family nurse practitioner with the University of Pennsylvania. She is certified by the American Nurses Credentialing Center as a family nurse practitioner and has had extensive experience in both family practice primary care centers and community-based clinics. Dorsey earned her master of science in education at Villanova University in 1995.

■ Bo Kim has accepted the position of instructional designer at the Berks campus. Before her appointment, she worked as instructional designer at eSocrates Inc. of Allentown. Kim received both her master of science degree in instructional technology in 2001 and her bachelor of arts in sociology in 1995 from Bloomsburg University.

First-Year Experience Conference to be held in May

The upcoming First-Year Experience Conference for faculty, advisers and staff from all University locations will be held May 6-7 at University Park.

Held by the Office of Undergraduate Education, the conference promises to provide some valuable insight into the college graduates of 2006. For example, most students starting college this coming fall were born in 1983 — the same year as the PC and Mac. To them, artificial hearts always have been ticking; Diet Coke always has been in existence; they never have experienced a real recession; Cal Ripken always has been playing baseball; they probably never have used carbon paper; a mouse is not a rodent; and they've always had access to e-mail.

To better understand and relate to first-year students, attendees will be involved in a variety of interactive sessions aimed at helping them succeed. Topics range from cultural styles of the incoming student, learning communities, student-organized first-year programs, student development,

peer mentoring, course management, civic engagement, critical thinking, Learning Edge Academic Program (LEAP), student reading proficiency and assessment. Additionally, students from the School of Theatre Arts' Loaves and Fishes Traveling Repertory Theatre will weave in their reflections and observations throughout the conference.

M. Lee Upcraft, assistant vice president emeritus for student affairs and affiliate professor emeritus of higher education, is keynote speaker. Known internationally for his work, he has been contributing to the college student development literature for more than 30 years.

The conference will be held in Thomas Building from 12:30 p.m. Monday, May 6, through noon Tuesday, May 7. A dinner Monday evening will be held at the Faculty/Staff Club.

There is no conference fee; however, those traveling will need to cover their transportation and accommodations. Registration information will be available soon.

PARTINGS

Staff assistant marks 35 years at Scranton

Rosalie Prizzi, staff assistant to the campus executive officer at Penn State Worthington Scranton, has announced her retirement after 35 years.

Prizzi joined the Penn State Scranton Center in 1966 as lead secretary under Robert E. Dawson, then campus director, and was involved in Penn State's move to its current site in Dunmore. She has served as an assistant to Penn State Worthington Scranton executive officers including Mary-Beth Krogh-Jes-



Rosalie Prizzi

persen, the current campus executive officer.

Prizzi served as a member of the Campus Diversity Committee and as a member of the Worthington Scranton Choral. She also attended the Northeast Pennsylvania Diversity Consortium's cultural awareness training workshop held at Penn State Wilkes-Barre. In the spring of 2000, she was a recipient of the Worthington Scranton Campus Award for Excellence in Support Services.

Assistant professor says farewell to DuBois

Shashanka S. Mitra, assistant professor of mathematics at Penn State DuBois, has retired from the University following 27 years of service.

He taught courses in mathematics and statistics. In addition to his teaching responsibilities, he also served on a number of search committees for open faculty positions.

Before joining DuBois, he was an assistant professor at the Erie and Berks campuses, and was employed at Wilkes College from 1968 to 1974 and at Western Washington State from 1966 to 1968.

Mitra received his doctoral degree from the University of Washington.



Shashanka S. Mitra

Lehigh Valley English instructor says farewell

Nicholas F. Politi, English instructor at the Penn State Lehigh Valley, retired in January after completing 31 years of service.

Politi joined the faculty in 1970 teaching writing, literature and humanities. For many years, he was the adviser for the campus's literary journal, *Hubris*.

Politi holds a master's degree in English from Lehigh University and a bachelor's degree in liberal arts from Eastern Nazarene College in Quincy, Mass. He also did graduate work at Lehigh University, Penn State and University of Frankfurt, Germany.



Focus on Research

Democracies can be undermined by elites who prefer dictators

By PAUL BLAUM
Public Information

Many democracies worldwide, especially in Eastern Europe and Latin America, have socioeconomic and political elements, such as the continued presence of the military or ex-communist bureaucrats, that sometimes retard or disrupt full democratization.

Nations facing this dilemma, particularly new democracies, might benefit from the lessons of Germany during the 1920s, when a initial brave attempt at democratization was ultimately brought down by the voting power of entrenched elites who preferred Adolf Hitler to the rule of law, according to a University political scientist in a new study.

The post-World War II Federal Republic of Germany (West Germany) has generally been considered the first successful experiment in German democracy, made possible in large part by the Allied victory and the subsequent military occupation of western Germany by the Allied powers. Had western Germans alone cast the votes, democracy might have taken permanent root in Germany prior to World War II and perhaps even forestalled the Nazi takeover, according to Michael H. Bernhard, associate professor of political science.

Democratic institutions and attitudes were surprisingly strong in the western sections of Germany during the 14 years the country was governed by the Weimar Republic (1919-33), Bernhard noted. He pointed out that support for Hitler and the Nazis was much more pronounced in eastern Germany, which was traditionally dominated by the semi-feudal landed aristocracy and their allies in the military-industrial complex.

"The Weimar Republic gave way to the Third Reich when the Weimar president Paul von Hindenburg appointed Hitler chancellor on Jan. 30, 1933," Bernhard said. "In the election of March 5, Hitler, using strong-arm tactics against his political opponents and the



Michael E. Bernhard, associate professor of political science, studied voting patterns in Germany's Weimar Republic.

Photo: Greg Glesco

suspension of civil liberties, orchestrated a decisive coalition between the Nazis and the ardently nationalist and anti-democratic German National People's Party. This allowed him to achieve a nationwide majority in the Reichstag, which immediately approved the Enabling Act allowing Hitler to ignore the Reichstag and the Weimar constitution and legalize Nazi dictatorship."

Bernhard coded each electoral district depending on whether it became part of West Germany, pro-Soviet East Germany, Poland or the Lithuanian or Russian Soviet Republics after World War II. He then tabulated votes for all eight of the Weimar Republic elections between 1920 and 1933, comparing votes cast in the western and eastern

parts of pre-World War II Germany. The researcher employed a conversion formula that demonstrated how the voting system transformed the percentage of votes into the percentage of mandates. He used the same formula to produce the hypothetical percentage of mandates that parties would have commanded in the Reichstag based on the basis of separate party vote totals in western and eastern Germany.

"Weimar's electoral system was highly proportional, so there are only minor differences between the raw percentages of votes and the representation figures generated by the conversion formula," Bernhard said.

Prior to the postwar division of Germany, its political system was dominated by an alliance between the leaders of German heavy industry and the Junkers, an agricultural elite which made its money through the production of rye. Both Junkers and industrialists sought to protect their commercial interests by a joint tactic of imposing high tariffs and holding down domestic wages. They collaborated in a policy of imperialism and militarism that benefited both Junkers, who dominated the office corps of the military, and the industrialists, who received lucrative contracts to supply the military.

"During the early 1920s, unlike the country as a whole, western Germany exhibited robust democratic potential," Bernhard notes. "Here, votes for pro-democratic parties such as the Social Democrats and the Catholic Center Party (Zentrum) exceeded 50 percent until 1930 and approached 50 percent in the 1930 election despite the onset of the Great Depression and high unemployment levels."

By 1932, with the Depression growing more severe, support for the democratic parties declined noticeably even in western Germany.

Paul Blaum can be reached at
pab15@psu.edu.

Idea Development Award goes to researcher

Nadine Smith, assistant professor of bioengineering, has received an Idea Development Award from the Department of Defense Congressionally Directed Medical Prostate Cancer Research Program.

The \$521,000 award will fund "Optimized Hyperthermia Treatment of Prostate Cancer using a Novel Intracavitary Ultrasound Array" over a period of three years.

Smith's work is studying the use of ultrasonic wavefields to treat prostate cancer. In a process called ultrasonic hyperthermia, prostate cancer is treated with therapeutic heating through high-frequency sound waves.

She is hoping to design a two-dimensional intracavity array transducer capable of causing uniform heating within the prostate.

When performed in conjunction with chemotherapy or radiotherapy, hyperthermia increases damage to cancer cells caused by radiation and prevents subsequent repair of cancerous tumors. Hyperthermia also can kill malignant tumors without additional treatments.

EPA grant benefits nanoparticle research

Darrell Velegol, assistant professor of chemical engineering, and Kristen Fichthorn, professor of chemical engineering, have obtained a three-year, \$370,000 grant from the Environmental Protection Agency for nanoparticle research.

The grant is for "Green Engineering of Dispersed Nanoparticles: Measuring and Modeling Nanoparticle Forces."

One limitation of nanotechnology is stability — particles tend to cluster together making it difficult to maintain dispersions of distinct nanoparticles. Certain types of particles may be stabilized by adding polymers or surfactants to the mixture, but as nanoparticles begin to be produced in large quantities, these polymers or surfactants sometimes end up as waste.

The team's research seeks to understand why nanoparticles cluster together so that solution conditions can be altered to maintain stable dispersions without additives.

Tea, chocolate in moderation can be heart-healthy

A University-led review of the available evidence from 66 published studies, supports the view that consuming flavonoid-rich tea and/or chocolate, in moderation, can be associated with reduced risk for cardiovascular disease.

Penny Kris-Etherton, distinguished professor of nutrition and lead author of the review, said, "Since tea, without milk or sugar, contains no calories, it's an ideal way to add antioxidant flavonoids to your diet without increasing your weight. Having a chocolate cookie that also contains fruit and nuts along with the tea, if consumed in moderation, can be a heart-healthy snack."

She added, "No single food will confer immunity from illness. But both tea and chocolate, which are plant foods, can be components of a healthy diet if eaten in moderation along with other flavonoid-rich plant foods, such as fruits and vegetables. It's important to include a wide variety of plant foods in your diet everyday."

The review was co-authored by Carl L. Keen, head of the Department of Nutrition, University of California, Davis.

The authors noted that, currently, there is not enough information on which to base specific recommendations on the amount of flavonoids to eat on a daily basis

to trigger positive effects. The studies reviewed indicate that 150 mg of flavonoids produced an immediate (acute) effect and 500 mg seem to cause a continuing (chronic) effect. The average cup of tea brewed for two minutes contains about 172 mg of flavonoids. Drinking one cup could be expected to cause an immediate (acute) effect and about three and a half cups could possibly produce a continuing (chronic) effect.

The information on chocolate is even less generalizable since commercially available chocolate varies widely in flavonoid content.



Department of Public Information
312 Old Main, University Park,
PA 16802

Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Take your daughter to work



Carol Griffin, left, and Sue Reighard, right, co-chairs of the Commission for Women's Take Our Daughters to Work Day committee, work with other members of the committee to fill "goody" bags for the event's participants. The University Park event takes place April 25. For more information or to register, check the Web at <http://www.outreach.psu.edu/C&I/DaughtersToWork2002/>. Other campuses also have events planned for Take Our Daughters to Work Day. For details, check at each campus.

Photo: Annemarie Mountz

Public television celebrates 50th anniversary

A series of events to celebrate the birth of American public television will take place April 19 and 20 on the University Park campus.

The vision for nationwide educational television was articulated at a conference held April 20, 1952, at The Nittany Lion Inn.

On that day, more than 100 leaders in education, broadcasting and government gathered to accept a challenge from the Federal Communications Commission to envision a noncommercial educational television service. Today, their efforts are known as public television.

To commemorate the event, Penn State's own public television station, WPS-TV Channel 3, will hold a two-day celebration featuring an evening keynote address on Friday, April 19, by Fred Rogers. "Mister Rogers" is the creator of the longest-running program on public television, "Mister Rogers' Neighborhood."

"Mr. McFeely," played by David Newell, also will attend the events and is expected to take a spin on the new University trolley during his visit. Newell is the trolley car operator on "Mister Rogers' Neighborhood."

Penn State Public Broadcasting also will celebrate the beginning of a new chapter in public television history as it breaks ground on a joint facility with the World Campus in Innovation Park.

The weekend's events include:

Friday, April 19

- Groundbreaking ceremony for the new home for Penn State Public Broadcasting and the World Campus, 3 p.m. at Outreach Innovation Building, Innovation Park. The ceremony will be held across from the Lubert Building near The Penn State Conference Center Hotel.
- Ice cream social, 6:30-7:30 p.m., Thomas Building lawn. Admission is free.

Attendees will include PBS characters Elmo and Cookie Monster from "Sesame Street," Cassie, Zak and Wheezie from "Dragon Tales," Clifford the Big Red Dog, Arthur and Sagwa the Chinese Siamese cat.

- Keynote speech by Fred Rogers, 8 p.m., 100 Thomas Building. Admission is free.

Saturday, April 20

- Blue and White football game, 1:30 p.m., halftime recognition focused on the 50th anniversary.

- Post-game event, outside Gate B near The Bryce Jordan Center. Children will have an opportunity to meet and photograph Elmo and Cookie Monster from "Sesame Street," "Dragon Tales," Cassie, Zak and Wheezie, Clifford the Big Red Dog, Arthur and Sagwa the Chinese Siamese cat. A rain location will be announced at the game.

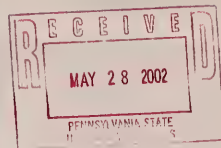
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INFORMING THE PENN STATE COMMUNITY



APRIL 18, 2002

Spanier announces changes in academic calendar

Two years of discussion and debate over Penn State's academic year calendar have culminated with President Graham B. Spanier's implementation of a calendar revision that will impact the number of instructional, examination and study days each fall semester.

This decision, effective for the fall 2003 term, comes after careful consideration of recommendations sent to Spanier

by the University's Faculty Senate on Feb. 26, as well as input from the Undergraduate Student Government (USG) and members of the community.

The changes address the fundamental principles emphasized by the Faculty Senate. Among these key tenets are flexibility, ample time for orientation and performance assessment activities, appropriate breaks in each semester

and a post-Labor Day start to fall classes.

The revised schedule applies to all Penn State campuses except The Dickinson School of Law, the College of Medicine, Penn State Great Valley and the Pennsylvania College of Technology.

For more on this story see the special section inside.

THE HISTORIES OF PENN STATE

Special mission campus

Penn College continues longstanding tradition of work-force technical training

In 1914, a small industrial shop at Williamsport High School began offering education and training programs to adults. By 1918, many of the students in those programs were disabled World War I veterans needing new skills to re-enter the work force.

From those humble beginnings arose the model for what would become — 75 years later — the state's premier technical college, Pennsylvania College of Technology, established in 1989 as an affiliate of Penn State. Penn College is a special-mission affiliate of the University, committed to advanced-technology education.

In the throes of the Great Depression in 1931, the school, under the leadership of George H. Parkes, one of the nation's leaders in developing vocational education, collaborated with local industry on a plan to retrain the burgeoning ranks of the unemployed. The much-hailed "Williamsport Plan" and resulting study, "What We Do For a Living," connected educa-



The Williamsport Technical Institute was founded in 1941 and became one of the nation's largest providers of training and retraining for people with physical handicaps. The institute became the Williamsport Area Community College in 1965, and in 1989 began its affiliation with Penn State as The Pennsylvania College of Technology.

Lindstrom named special assistant to the provost

In response to the need to lead a University-wide assessment, planning and implementation process, David Lindstrom has been appointed special assistant to the provost for compliance with the Health Insurance Portability and Accountability Act (HIPAA).



David Lindstrom

"The Health Insurance Portability and Accountability Act of 1996 is a wide-ranging piece of legislation that affects many areas of University operation," said Rodney Erickson, executive vice president and provost. "In order to assure we protect the privacy of patients, and assure the maintenance of secure electronic medical information systems, we must have a coordinated University-wide compliance effort and need an experienced administrator to lead that process."

HIPAA will affect the storage and transmission of "protected health information" and will impact all units of the University where patients are treated or where University faculty conduct research involving patient information. Whether the patient information is

Penn College

Continued from page 1

tion and work-force development, attracting national attention and inspiring imitation.

In 1941, the "Williamsport Technical Institute" (W.T.I.) was officially founded, and soon it embarked on 24-hour-a-day training programs to meet defense-industry needs for World War II. The instruction included programs for individuals with handicaps, who played a vital role in the war effort.

W.T.I. became one of the nation's largest providers of training and retraining for those with physical handicaps, including returning disabled World War II veterans seeking civilian employment.

From this solid underpinning of work-force education and training, the Williamsport Area Community College was created in 1965, shortly after passage of the Community College Act. The college, under the leadership of Kenneth E. Carl, a graduate of W.T.I.'s drafting program, used the institute's programs and facilities to launch further growth and development, with area school districts serving as sponsors.

By the 1970s and '80s, service to the sponsoring districts included credit and noncredit courses. Enrollment was climbing steadily, with more students hailing from outside what traditionally had been the college's principal service area in Lycoming County and North Central Pennsylvania.

As the campus grew and enrollment expanded, the college, under the leadership of Robert L. Breuder, faced the challenge of eroding financial support from the sponsoring school districts. The City of Williamsport assumed the sponsor role temporarily until 1989, when Gov. Robert P. Casey signed legislation creating the affiliation with Penn State.

As a Penn State affiliate, Penn College — under the present leadership of its first female president, Davie Jane Gilmore — is realizing its full potential as Pennsylvania's premier technical college. Enrollment exceeds 5,500, and instruction is offered at the college's 105-acre main campus, the Advanced Automotive Technology Center in Williamsport, the Schneebeli Earth Science Center near Allenwood and the Lumley Aviation Center at the Williamsport Regional Airport in Montoursville. Extensive noncredit education and work-force training are offered through the Technology Transfer Center at the Williamsport-Lycoming Chamber of Commerce's Business and Technology Resource Center and at the North Campus near Wellsboro.

Baccalaureate majors, first offered in the mid-1990s, now account for a third of all credit enrollment. Students can choose bachelor- and associate-degree and certificate majors representing from more than 100 career fields.

Recently, the college began construc-



The Williamsport Technical Institute officially became the Williamsport Area Community College in 1965. The school offered credit and noncredit courses to an expanding service area, but in the 1980s faced the erosion of financial support from what had been its sponsoring school districts.

Penn College at a Glance

- Davie Jane Gilmore, president
- 105-acre main campus in Williamsport, Lycoming County; five additional locations
- Student enrollment exceeds 5,500
- 265 full-time, 146 part-time faculty
- Fewer than 20 students in most classes
- Graduate-placement rates of 90 percent overall, 100 percent in many majors
- One computer for every five students
- 14 varsity sports
- Nearly 50 student clubs and organizations
- Le Jeune Chef Restaurant, a practical-laboratory experience for culinary students
- Community Arts Center offers live performances and films in downtown Williamsport



Penn College of Technology continues to fill a vital role in the education of a technical work force for Pennsylvania.

tion on a Student and Administrative Services Center that will consolidate most student-related services in one facility near the college's new main entrance, freeing

space in the college's oldest structure — the Klump Academic Center (circa 1914) — for more classrooms, laboratories and faculty offices.

Today at Penn College, students from around the world enjoy the benefits of state-of-the-art programs in traditional and emerging technologies.

Lindstrom

Continued from page 1

derived from Penn State sources or outside parties, the University is required to assure the security and privacy of this information.

Lindstrom has been a health administrator with faculty appointments at Penn State for 26 years. Originally responsible for the development of Emergency Medical Services curriculum and instructional systems, he currently is associate director for administrative services at the University Health Services.

"While assuming his duties as special assistant to the provost, he will retain approximately 50 percent of his duties within University Health Services," according to William W. Asbury, vice president for student affairs.

"David has extensive experience in health-care administration and in academic programming which we think will be helpful to the provost in his effort to direct the HIPAA assessment and planning process."

According to Lindstrom, "HIPAA might better have been titled, 'The Patient Information Privacy and Security Act,' especially as it applies to us here at Penn State. Since HIPAA will affect many University units, I will rely heavily on the support of the entire University community as we respond to this complex piece of legislation."

The final version of the Privacy Regulations of HIPAA have been published and all covered entities must comply by April 2003. Regulations regarding the security section of the legislation are expected to be released soon and will focus on electronic and physical security of health information.

"The first stages of our effort to evaluate the impact of HIPAA already have begun. We have surveyed several clinical treatment units and already are aware of the complexity of the regulations," Lindstrom said. "One of our goals will be to review our existing policies and practices to be sure we comply with HIPAA in such a way that we continue to effectively address the diverse mission of the University."

Lindstrom's appointment will be University-wide in scope and will have an impact on all Penn State locations except the College of Medicine.

"The Milton S. Hershey Medical Center has a substantial compliance effort under way and current plans call for the College of Medicine to be covered by the efforts of the medical center," Lindstrom said.

For more information about HIPAA, check the Web at <http://www.hhs.gov/ocr/hipaa/>.

Report highlights University as national leader in statewide economic development

By TYSEN KENDIG
Public Information

A new book by Southern Growth Policies Board researchers spells out in detail the practices, policies and cultures relating to state and local economic development of 12 leading national universities, including Penn State. *Innovation U: New University Roles in a Knowledge Economy* provides a detailed look at how some of the best universities in the nation are helping to build local and regional economies, according to Jim Clinton, Southern Growth's executive director.

The universities detailed in the book were selected in early 2000 through a poll of about 40 top economic development experts from around the country. They were asked to identify universities that were innovative, influential and significant in their economic-development activities.

Through a series of case studies, *Innovation U* explores how these universities are engines of growth for their local and state economies. The universities have a deep and broad impact on economic growth through research, technical assistance to industry, job training, job placement, partnerships, technology transfer and other activities.

"Penn State is honored to be included among such exclusive company of institutions that are making invaluable contributions to their local and state economies," said President Graham B. Spanier. "As Pennsylvania's only land-grant institution, the University has long recognized the importance of contributing to the Commonwealth's economic growth, as well as

our role in driving growth on local and regional levels."

Penn State employs more than 20,000 men and women at 24 campus locations statewide and at outreach offices and centers in all 67 Pennsylvania counties — a workforce that receives more than \$1.2 billion annually in wages and benefits. These people bring the resources of the University to virtually every Pennsylvania resident, with outreach and cooperative extension alone reaching approximately 2 million Pennsylvanians each year. Furthermore, more than 200,000 Penn State graduates continue to reside and work in the commonwealth.

The direct economic impact of the University Park campus alone is estimated at more than \$500 million each year. Nearly 14,000 jobs statewide can be attributed to Penn State's more than \$470 million research program each year — not including thousands more that are created or saved as a result of technologies developed at the University and transferred to the private sector. In addition, Penn State has sharpened the competitive edge of thousands of Pennsylvania businesses and helped to generate more than 400 new companies. The University has helped more than 25,000 entrepreneurs, small businesses, and governmental bodies solve a variety of problems, producing \$250 million in economic benefits since 1965.

The 11 other universities profiled along with Penn State include: Georgia Tech, North Carolina State University, The Ohio State University, Purdue University, Texas A&M University, University

of Wisconsin, Virginia Tech, University of California at San Diego, University of Utah, Carnegie Mellon University and Stanford University.

The three authors — Lou Tornatzky, Paul Waagan and Denis O. Gray — collected masses of documents and conducted interviews to understand these universities' practices and procedures. Their project was funded by the National Science Foundation.

The book's intended readers include federal research funding agencies, university leadership, state legislators, university governing boards, leaders of technology-based industry, state and regional economic development leaders, private foundations and university faculty.

Innovation U is the latest in a series of research reports examining how universities are involved in economic-development activities. Earlier reports have benchmarked technology transfer and looked at the migration patterns of recent science, technology and engineering graduates.

Innovation U was guided by the Southern Technology Council, Southern Growth's technology policy advisory body, which includes representatives of state government, private industry, economic development agencies and universities from 14 Southern states. The Southern Technology Council is chaired by Mississippi Gov. Ronnie Musgrove.

The Southern Growth Policies Board develops and advances policies by providing a forum for partnership and dialog among Southern governors, legislators and stakeholders from business, academia and the economic and community-development sectors.

Going down



Penn State McKeesport Junior Shannon Mooney

struck the first ceremonial blow with a sledgehammer to commence the demolition of the Buck Union Building (BUB) at the campus recently. A new, 25,000 square-foot student union, to be completed in spring 2003, will replace the BUB in the heart of the campus.

For more information, check the McKeesport campus Web site at <http://www.mk.psu.edu/BUB00/bub-homepage.htm>



Lectures

'Mister Rogers' to visit PSU neighborhood

Fred McFeely Rogers will deliver the keynote speech in celebration of the 50th anniversary of the birth of public television at 8 p.m. April 19 in 100 Thomas Building on the University Park campus.

The speech is free to the public.

David Newell, who plays the television character "Mr. McFeely" also will be present at the address. Rogers is known for his PBS



Fred McFeely Rogers

children's series, "Mister Rogers' Neighborhood," which is carried by more than 300 stations nationwide.

He also is the chairman of a nonprofit company, Family Communications Inc., that offers non-broadcast materials that reflect his guiding philosophy and purpose: to encourage the healthy emotional growth of children and their families.

Artist Gilliam plans lecture and gallery talk

In conjunction with a performance of The Washington Ballet/Sweet Honey in the Rock/Sam Gilliam Project at the Center for the Performing Arts, Sam Gilliam will lecture at 1 p.m. Friday, April 19, at the Palmer Museum of Art on the University Park campus.

Gilliam will offer a special gallery talk to

discuss his recent work at noon April 19 at the museum. The event is open to the public.

The Washington Ballet/Sweet Honey in the Rock/Sam Gilliam Project performance at the University coincides with an exhibition of Gilliam's recent prints at the Palmer Museum.

Fair showcases environmentally friendly products

Approximately 50 exhibitors will display building products and services with a "green" orientation April 22-23 at Pennsylvania College of Technology.

The Penn College Green Building Fair, which is free to the public, will run from 10 a.m. to 7 p.m. Monday, April 22, and 10 a.m. to 4 p.m. Tuesday, April 23, at the Penn College Field House.

James Wines, president and founder of SITE Environmental Design, distinguished

professor of architecture at The New School for Social Research and visiting professor of landscape architecture at the University of Pennsylvania, will give the keynote address at 3:30 p.m. April 23.

Hourlong seminars will be offered, and American Institute of Architects continuing education units will be available for the seminars and portions of the exhibit.

For information, send an e-mail to dgerring@pct.edu.

Satellite videoconference planned for April 25

The 2002 Current Issues in Nutrition Satellite videoconference, "The Food System as an Instrument of Public Health," is scheduled for 11 a.m. to 5 p.m. Thursday, April 25, in 118 Agricultural Sciences and Industries Building, University Park.

Originating from Iowa State University, the videoconference will be downlinked to three Cooperative Extension locations

across the state in addition the University Park campus.

This conference will explore the relationships among the structure of food systems, dietary quality and population health.

For information, check the Web at <http://www.lifefarmer.iastate.edu/402/currentnutrition.htm>. To register at University Park, call Tom at (814) 865-3360.

Conference topic is preserving digital information

The University Libraries are sponsoring the videoconference "The Open Archival Information System (OAIS) Imperative: Enduring Record or Digital Dust?" from noon to 2 p.m. Friday, April 19, in 514 Paterno Library on the University Park campus.

The conference is the second in a series of three satellite videoconferences, titled "Steering by Standards," presented by the Online Computer Library Center. The series is designed to help librarians and other information professionals face the

challenges of charting new organizational directions that incorporate emerging standards for electronic resource sharing.

The featured speaker is Donald Sawyer, head of NASA's Science Office of Standards and Technology. Information specialists are exploring OAIS as one option for preserving and maintaining access to digital information.

The series is free to the public. For information, call Judy Hewes at (814) 865-1755 or e-mail jhh@psu.edu.

Soil science presentation scheduled for April 19

Ephraim Govero, doctoral candidate in soil science in the Department of Crop and Soil Sciences, will present "Potential of Low-Cost Plant Nutrient Agro Technologies to Address International Food Security and Environmental Issues" from

3:35 to 4:25 p.m. Friday, April 19, in 101 Agricultural Sciences and Industries Building on the University Park campus.

For information, call the Department of Crop and Soil Sciences at (814) 863-1601.

Luncheon series features ethnic studies talk

The Comparative Literature Luncheon, a weekly informal lunchtime gathering of students, faculty and other members of the University community, has announced the next speaker in this semester's series.

The events begin with lunch from 12:15 p.m. to 12:40 p.m. in 102 Kern Building on the University Park campus. Participants may bring their own lunch or buy something in Kern Cafeteria. Coffee and tea are

provided. The speaker will begin at about 12:40 p.m. The events are free to the public.

Evelyn Hu-DeHart, professor and chair of the Department of Ethnic Studies at the University of Colorado, will speak on "Slave or Free? Black or White? Chinese Coolies on 19th Century Cuban Plantations" on April 22.

For information, e-mail Daniel Walden at dxw8@psu.edu.

Lectures focus on fossil fuels, carbon materials

The 13th Annual Peter H. Given Lecture in Soil Science will be given by Isao Mochida, professor at the Institute of Advanced Material Study in Japan, during his visit April 22 to 26 to the College of Earth and Mineral Sciences on the University Park campus.

Mochida, director of the Molecular Functioning Engineering Laboratory at

Kyushu University in Japan, will present two lectures: "Roles of Fuel Science and Technology for the Civilization of the 21st Century" at 4 p.m. April 23 and "Energy Storage and Transformation by Carbon Materials" at 4 p.m. April 25 in C213 Coal Utilization Laboratory on Bigler Road.

The events are free to the public.

Effective job-search strategies explored

"Real World 101: Seven Career Essentials for College Students," a presentation by Robert Orndorff, associate director of Career Services and affiliate professor, will be held from 4 to 5:30 p.m. Tuesday, April 23, in Foster Auditorium, 101 Pattee Library, University Park.

Orndorff will discuss what companies look for in recent college graduates, includ-

ing the top skills, qualities and experience leading companies consider essential. Based on in-depth nationwide research, he will provide an inside look into corporate recruiting and effective job-search strategies.

The event is free to the public.

For information, call Diane Zabel at (814) 865-1013 or e-mail dxz22@psu.edu.

Energy executive to give lecture on coal

Richard M. Whiting, president and chief operating officer at Peabody Energy of St. Louis, will present the 11th annual G. Albert Shoemaker Lecture in Mineral Engineering from 4 to 5 p.m. April 26 in 26 Hosler Building on the University Park campus.

Whiting's lecture is "Coal — The Energy Constant." The lecture will be preceded by a

reception at 3:30 p.m. in the lobby of Deike Building. The event is free to the public.

Whiting oversees Peabody's coal operation, which account for nearly 20 percent of U.S. coal production annually. He is chairman of the Bituminous Coal Operators' Association, which is the negotiating arm of the coal operators' contract with the United Mine Workers of America.

Hypervulnerability in adolescents to be explored

The Center for Human Development and Family Research in Diverse Contexts will sponsor a presentation by Howard C. Stevenson from 11:30 a.m. to 12:30 p.m. Friday, April 26, in S209 Henderson Building on the University Park campus.

Stevenson will discuss "If We Must Die: Managing Hypervulnerability in African-American Adolescent Males."

Stevenson is an associate professor in the School, Community and Clinical Child

Psychology and Interdisciplinary Studies of Human Development programs at the University of Pennsylvania.

His research, as well as his consultation work, identifies cultural strengths that exist within families and mobilizes those strengths to improve the psychological adjustment of children and adolescents using communities and neighborhoods as the major vehicles of support and social change.

For information, call (814) 863-7108.



News in Brief

Blood drive scheduled

The Red Cross will hold a blood drive from 11 a.m. to 5 p.m. Wednesday, April 18, in the HUB-Robeson Center Alumni Hall on the University Park campus.

For information or to schedule an appointment, go online at <http://www.psuredcross.org>.

Pop music is subject of Spanier call-in

The quality of America's mass-marketed popular music will be the topic of the next edition of "To the Best of My Knowledge," President Graham B. Spanier's monthly call-in show airing at 7 p.m. Tuesday, April 23, on WPSU-FM and WPSX-TV.

Joining Spanier to discuss the current state of the pop music scene will be Bill Kelly, head of the Department of Integrative Arts, and Anthony DeCurtis, formerly senior critic at *Rolling Stone* magazine, pop music critic for NPR's "All Things Considered" and host of the weekly critic's show "4 On The Floor" and "VH1-to-One." DeCurtis currently is host of "The A List With Anthony DeCurtis" on getmusic.com.

Listeners with questions or comments are encouraged to call (800) 543-8242 during the one-hour broadcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.wpsu.psu.edu/tbomh/>; and they will be able to contact the president during the program via e-mail to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of national and local interest and to allow listeners a chance to communicate directly with Penn State's president.

Parking passes

The end of each spring semester and June 30 are times when some faculty/staff members terminate their employment or retire. These employees must return their permits on their last day of work. Faculty or staff taking a leave of absence over the summer months also may wish to return parking permits so as not to incur charges for parking during their absence.

Faculty/staff retirees who wish to continue parking at the University may purchase parking privileges in a variety of options.

Students also may register their vehicles in the Parking Office if they choose to purchase a student parking permit. Students who are not taking summer classes or credits from May 6 until Aug. 23 are eligible for open-staff (orange lot) faculty/staff parking privileges.

For information, call the Parking Office at (814) 865-1436.

Special Olympics volunteers

Volunteers are being sought for the Special Olympics Pennsylvania 2002 Summer Games which will take place June 6 to 9 on the University Park campus.

The games offer 2,050 Special Olympics athletes from throughout Pennsylvania the opportunity to participate in nine sports venues: athletics, aquatics, basketball, gymnastics, softball, golf, tennis, equestrian and bowling. Athletes also spend the evening at SportsFest trying out new challenges.

The success of the games is dependent on 2,500 volunteers in many different areas. They are needed to prepare materials, register delegates and athletes, operate activities at the Olympic Village and SportsFest, assist with heavy duty water trucks and equipment, assist with the opening and closing ceremonies, and assist with the nine sports venues.

To pre-register as sports volunteers, request a form by calling (800) 865-3600 or send an e-mail to Bob and Maureen Dunham at red1@psu.edu.

For more information about Special Olympics Pennsylvania, check the Web at <http://www.pso.org/>.

Vanpool riders sought

A University Park vanpool is seeking two riders from the Phillipsburg, Osceola Mills, Houtzdale area.

Hours are 8 a.m. to 5 p.m. For information, call Doretta at (814) 865-1407.

Donor Services moves

The office of Donor Services has moved from its previous location at 9 Brumbaugh Hall to Bristol Place I, adjacent to Cato Park, near the University Park campus. The inter-office mailing address is:

Donor Services, 2583 Gateway Drive, Suite 130.

The U.S. mailing address remains the same: Donor Services, 101 Old Main, University Park, Pa. 16802.

Scholarships available

The University Libraries request that faculty and staff announce scholarship opportunities for undergraduate students interested in careers in library and information science.

Obtaining a library and information science degree can lead to highly specialized work, and because all fields of study can be augmented by this degree, the scholarship opportunities are applicable to all University students.

Submission deadline is April 26.

For information, visit <http://www.library.psu.edu/scholarship/>, stop by a University library or call (814) 865-0401.

Rele-gated to new site



Tim Imler, who works for Flore's of Altoona, puts some finishing touches on the area surrounding the recently relocated gates on the University Park campus. The gates were moved as part of the construction plan for the new Information Sciences Technology building project.

Photo: Greg Gileco

Tuition task force, calendar report head agenda

The University Faculty Senate will meet at 1:30 p.m. Tuesday, April 23, in 112 Kern Graduate Building, University Park.

Items to be discussed include:

- Tuition task force report, will focus on comparisons with peer institutions, funding needs of the University, five-year budget projections and tuition requirements, possible tuition models and recommendations regarding the University's tuition strategy for the next several years;

- Final calendar report, discussion, along with a question and answer session, on the final outcome of deliberations related to changes in the University calendar;

- Time to graduation report, investigates the graduation patterns of undergraduate students, using a time-to-degree study prepared by the Office of the University Registrar for spring 1999, 2000 and 2001 semesters;

- Construction projects, 2001-02 — informational report, focuses on projects at campus college locations;

- Multiple majors and degrees, revision of

Senate policy — legislative, proposes wording changes to the Senate policies of dual-degree, simultaneous-degree and sequential-degree programs, to eliminate distinctions between multiple majors and multiple degrees; and

- Senate self-study committee, will give an interim report on its findings and invite feedback on topics under consideration.

Members of the University community who is not a member of the Senate may request the privilege of the floor on any item of business already before the Senate. Such a request must be made to the chair, through the executive secretary of the Senate, at least four calendar days before the meeting at which the individual wishes to speak.

For information on how to submit major, minor, option or course proposals, the "Guide to Curricular Procedures" is available on the Web from the Faculty Senate home page at <http://www.psu.edu/ufs/>.

PARTINGS

Kenneth N. Johnston, project coordinator II in Office of the Physical Plant, from Sept. 27, 1982, to Jan. 1.

Robert J. Kendra, maintenance mechanic A at Penn State Hazleton, from Sept. 24, 1984, to Dec. 29.

Catherine E. Lendrim, staff assistant VI in College of Health and Human Development, from Sept. 4, 1979, to Jan. 1.

James H. May, orchard worker and machine operator A in College of Agricultural Sciences, from Sept. 3, 1974, to Jan. 1.

William E. Messersmith, senior extension agent in College of Agricultural Sciences, from Sept. 1, 1961, to Dec. 1.

Joyce E. Murray, staff assistant VI in Office of the Physical Plant, from May 28, 1986, to Jan. 16.



Arts & Entertainment

Ice skating show

"Ice Rhythms 2002: A Celebration on Ice," an ice show featuring local and guest skaters, will be held at 7:30 p.m. April 19 and 20 at the ice rink on the University Park campus.

Guest skaters include 2002 U.S. Olympic Team alternates: Matt Savoie and pairs team Stephanie Kakesavich and Aaron Parchen.

Tickets are \$8.75 for adults and \$6.75 for University students, youth 18 and under, and senior citizens 62 and older. Tickets may be purchased at the ice rink or by calling (814) 865-4102.

'Journey Home' steps in

The Washington Ballet and a cappella singing group Sweet Honey In The Rock combine their artistry in "Journey Home," a new dance work to be presented at 8 p.m. Friday, April 19, in Eisenhower Auditorium on the University Park campus.

The evening's program also includes two shorter pieces performed by the ballet company. "Blue Until June" is set to recorded blues classics sung by Etta James. "Three Preludes" moves to musical selections by Sergei Rachmaninoff performed live on stage by a pianist.

Tickets are \$25 for general audience members, \$20 for students, \$10 for University Park students and \$13 for children 12 and younger. For tickets, group sales or information, contact the Arts Ticket Center at (814) 863-0255 or (800) ARTS-TIX. Visit <http://www.cpa.psu.edu> on the Web.

Artistic Viewpoints, an informal discussion about the performance, takes place in the Eisenhower Auditorium conference room one hour before the performance and is free for ticket holders. This discussion features Septime Webre, the ballet company's artistic director.

Concerts planned

The following bands will give their final concerts of the semester during the week of April 21. All concerts will take place in Eisenhower Auditorium on the University Park Campus. Admission is \$5 for adults and \$3.50 for children.

■ The Symphonic Wind Ensemble, under the direction of Dennis Glocke, will give a concert at 4 p.m. Sunday, April 21. The group will include pieces by David Noon, Smetana and Karel Husa.

■ The Campus Band, under the direction of Christopher Bygott and Matthew Sisia, will give a concert at 8 p.m. Tuesday, April 23. The band will present pieces by Vaughan Williams, Richard Strauss, Sousa and Percy Grainger.

■ The Concert Band, under the direction of O. Richard Bundy and assistant conductor Christopher Bygott, will give a



"The Tour of Masks," created by Elizabeth Nolan, an undergraduate in anthropology, is one of several exhibits on display at the Matson Museum of Anthropology on the second floor of the Carpenter Building on University Park campus. To arrange group tours call Claire Milner at (814) 865-2033.

concert at 8 p.m. Wednesday, April 24. The band will present works by Edward Gregson, Robert Jager, Fisher Tull, David Duffy and Percy Grainger.

■ The Symphonic Band, under the direction of Dennis Glocke and assistant conductor Christopher Bygott, will give a

concert at 8 p.m. on Thursday, April 25. The ensemble will present works by Richard Wagner, Fisher Tull, Gustav Holst, Gordon Jacob and Howard Hanson.

The following free concerts also are planned in Esber Recital Hall on the University Park campus:

■ The Penn State Chamber Singers will give their spring concert at 8 p.m. Tuesday, April 23. The Chamber Singers, a 24-voice, mixed ensemble composed of undergraduate and graduate students from many major fields of study, is under the direction of Brett B. Dutton, graduate student in choral conducting.

■ The Penn State Trombone Choir will perform at 8 p.m. Monday, April 22. The program will feature music that is being recorded for an alumni two-CD collection, "A Penn State Tradition: The Penn State Low Brass Studio 1986-2002." The group of 24 trombonists is under the direction of Mark L. Lusk, professor of trombone.

Bach's Lunch

The Bach's Lunch concert will feature Penn State Clarinet Choir at 12:10 p.m. Thursday, April 25, in Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Campus Ministry. Following the performance, attendees may take their bag lunches to Memorial Lounge of Eisenhower Chapel. Beverages are provided.

Clay exhibit opens

"Jamming: Conversations in Clay," an exhibit by Robert Troxell and James Lard, will be on display through May 10 at The Gallery, 202 Bush Campus Center, Penn College.

The show may be viewed from 4 to 6 p.m. Tuesdays and Thursdays or by appointment. An additional showing will be from 6 to 9 p.m. Friday, May 3. The show is free to the public.

For information, call (570) 326-3761, ext. 7973, or e-mail gallery@pct.edu.

MetaStages

MetaStages, a program of the School of Theatre, announces registration for summer drama camps to be held in the Pavilion Theatre on the University Park campus.

Summer drama camps for ages 9 through 18 are divided into age groups. All students receive training in acting technique, voice and speech, mime, movement, improvisation and arts workshop. Classes are taught by professional faculty. This is a non-resident camp that meets daily from 10 a.m. to 4 p.m.

The week culminates with performances for family and friends on the Pavilion Theatre stage. There are four, one-week camps: July 22/26, July 29 to Aug. 2, Aug. 5/9 and Aug. 12/16.

Enrollment is strictly limited with separate age groups. For information call Joann Leonard, MetaStages director, at (814) 867-8390.



Academic calendar changes

A SPECIAL SECTION OF THE INTERCOM

APRIL 18, 2002

Spanier acts on Faculty Senate calendar recommendations

By **TYSEN KENDIG**
Public Information

Two years of discussion and debate over Penn State's academic year calendar have culminated with President Graham B. Spanier's implementation of a calendar revision that will impact the number of instructional, examination and study days each fall semester.

This decision, effective for the fall 2003 term, comes after careful consideration of recommendations sent to Spanier by the University's Faculty Senate on Feb. 26, as well as input from the Undergraduate Student Government (USG) and members of the community.

"The University's academic year calendar has been a concern and a source of discussion for faculty and students for several years," said Spanier in a written statement on his decision. "Faculty need a calendar that is adaptable to their approach to teaching and learning. Students expect a high-quality educational experience within a calendar format that accommodates their summer job schedules, internship placements, co-op experiences and an occasional break in the schedule of classes to study, see their families and refresh themselves."

Particularly affected by these factors is the fall semester, long a focal point in calendar debate. The University has recognized that the traditional mid-August start of classes creates numerous work and family conflicts for faculty and students.

To help rectify this problem — as well as the widespread absences that have resulted from multiple interruptions to the fall schedule of classes — Spanier has approved a 16-week fall semester schedule, which will include 14 weeks of classes, one 5-day week of finals and assessment, and five days without class. As a result, through this decade classes will begin as early as Aug. 30 or as late as Sept. 5, but never earlier than the week before Labor Day.

The following will be days without classes:

- Labor Day;
- the Friday at the end of the sixth week of class, designated as a study day; and
- the Wednesday, Thursday and Friday of Thanksgiving week.

Spanier hopes this compromise will preserve the integrity of the academic schedule. Students and faculty still will enjoy a



Lauren Lettieri, freshman marketing and international business, left, studies with **Leah Critchley**, freshman in graphic design, at the HUB/Robeson Center on the University Park campus. Beginning in 2003, students will have a class-free study day on the Friday at the end of the sixth week of fall semester. **For full details on the calendar changes, please see page 2 of this special section.**

Photos: Julie Brink

brief, mid-semester break and receive an extended Thanksgiving vacation, without substantially decreasing the number of instructional days or the quality of education offered by Penn State.

"All calendar deliberations immediately introduce the necessity to accept trade-offs, notably because there simply are not enough days in the fall to meet all conditions," said Spanier. "In the case of holidays, the only way we can accommodate many of the calendar constraints is to hold classes on certain days that other organizations might indeed observe as holidays."

The result will be an overall academic year consisting of 145 instructional days and 10 assessment/exam days — very

close to the Big Ten average and still nearly a week longer than the University of Pittsburgh, Temple University and the State System of Higher Education.

"Comparisons with other universities show that the current class attendance issue may be related to Penn State's scheduled number of class days being the greatest in the Big Ten," added Spanier.

The changes address the fundamental principles emphasized by the Faculty Senate. Among these key tenets are flexibility, ample time for orientation and performance assessment activities, appropriate breaks in each semester and a post-Labor Day start to fall classes.

"I am most appreciative of the hard work

and good thinking of the special Senate Committee, which consulted widely and brought useful focus to a complex issue," said Spanier. "I also am grateful for the interest of USG and for the scores of e-mails I received from faculty and students."

The revised schedule — which is not anticipated to affect the length of class times, nor will it change the spring semester calendar in any way — applies to all Penn State campuses except The Dickinson School of Law, the College of Medicine, Penn State Great Valley and the Pennsylvania College of Technology.

Tyzen Kendig can be reached at tyzen@psu.edu

Statement by Penn State President Graham

The University's academic year calendar has been a concern and a source of discussion for faculty and students for several years. Two years of discussion culminated in a Feb. 26 University Faculty Senate recommendation suggesting a change to a somewhat shortened, simplified calendar. Faculty need a calendar that is adaptable to their approach to teaching and learning. Students expect a high-quality educational experience within a calendar format that accommodates their summer job schedules, internship placements, co-op experiences and an occasional break in the schedule of classes to study, see their families and refresh themselves. I am most appreciative of the hard work and good thinking of the special Senate Committee, and I am grateful for the interest of USG and for the scores of e-mails I received from faculty and students.

Issues of concern to me have been widespread absences and class interruptions after Labor Day, before Thanksgiving, and both before and after the current break in the fall semester, as well as a general sense that the start of the fall semester is so early that it results in disruption of summer internships and student work, faculty hiring and orientation, family activities and proper preparation of facilities between the summer and fall terms. In addition, our early start date is a competitive disadvantage in student recruitment at many of our campuses. Comparisons with other universities show that the class attendance issue may be related to Penn State's scheduled number of class days being the greatest in the Big Ten and a full week longer each semester than those of the University of Pittsburgh, Temple University and the State System of Higher Education.

The special Faculty Senate Committee, along with other Senate committees, has worked thoughtfully to arrive at its recommendations. In addition to addressing the situation related to breaks, they noted the desirability of a calendar that would be responsive to the substantially changed teaching and learning strategies employed in many courses. They consulted widely and brought useful focus to a com-

plex issue. Of special value was their emphasis on some fundamental principles, including:

- The University calendar should provide flexibility in serving the academic interests and needs of students and faculty.
- The calendar should provide appropriate time for examinations and other assessment activities as part of the fall and spring semesters and each summer session.
- There should be an appropriate break during each semester.
- A post-Labor Day start is highly desirable.
- The fall semester should end before the traditional December holiday season.
- Arrival day at University Park should occur on a Saturday.
- Commencement at University Park should occur on a Saturday.
- There should be a provision for orientation time at the beginning of each semester.

These principles are useful, and I have taken them carefully into account in my decision for a new calendar. I add to them only a few considerations:

- The calendar should be straightforward, stable and predictable, such that plans can be made by all interested persons, within and outside the University, for up to several years in advance, without needless uncertainty or recourse to complex formulas and listings.
- The calendar should be forward-looking, toward new methods of course delivery and teaching, including greater use of online techniques and new approaches to partial or intermittent residency. After much discussion and thought, I have concluded that a simplified calendar best promotes flexibility. Simplification does not convey rigidity, nor does rigidity about such matters as seat-time convey quality.
- The calendar must be observed. Callers, visitors, parents and friends of students and those with whom we do business should find us open and fully functioning when we

say that we are. Students should be expected to always attend class except as provided for in University policy. Similarly, faculty should be expected to conduct all scheduled classes.

■ The University calendar applies to all campuses, save The Dickinson School of Law, Penn State Great Valley, the College of Medicine and the Pennsylvania College of Technology, but modest excursions to allow for locally important conditions can certainly be approved when circumstances warrant.

In addition, the Special Senate Committee noted two other principles:

- The fall and spring semesters should be as symmetrical (i.e., equal in length) as possible.
- National holidays should be recognized if possible.

All calendar deliberations immediately introduce the necessity to accept trade-offs, notably because there are simply not enough days in the fall to meet all conditions. In the case of hol-



Donald Davis, professor of plant pathology, took his Plant Pathology class recently. The new academic calendar is designed to support



Dexter Cooke, a junior in aerospace engineering, studies in Paterno Reading Room at Pattee and Paterno Library on the University Park campus.

Photo: Julie Brink

days, the only way we can accommodate many of the calendar constraints is to hold classes on certain days that other organizations might indeed observe as holidays. Further, benchmarking shows us that many fine universities do not observe a symmetric fall-spring calendar. If we are to meet

Graham B. Spanier on the Penn State Calendar



By 318 class outdoors on the University Park campus
roactive teaching methods.

Photo: Julie Brink

the principles discussed above, a perfectly symmetrical calendar is not possible.

Accordingly, the Penn State calendar for the upcoming years, beginning in fall 2003, will have the following properties:

- Each fall semester will span 16 weeks, including 14 weeks of classes, one 5-day week of finals and assessment activities, and five days without classes. During the assessment period, final exams will be scheduled for Monday through Thursday. Friday will normally be a conflict make-up day for those classes that schedule final examinations.

- The five days without classes include Labor Day and the Wednesday, Thursday and Friday of Thanksgiving week. In addition, the Friday at the end of the sixth week will be a study day, thus creating a three-day class break in the fall calendar. The University will be open on this day so that faculty and students will have the opportunity to take full advantage of University facilities and academic opportunities.

- To balance class offerings and laboratories, so that there are an equal number of Mondays through Fridays, the first day of classes, a Tuesday, will offer a Friday schedule. This one-day trade has worked well at other institutions where it has been used and, given that many lab and discussion sections are regularly scheduled on Tuesdays, the day swap may create an improved introduction to many classes in which the Tuesday sections might not ordinarily meet during the first week.

- Over the rest of the decade, classes begin as early as Aug. 30 or as late as Sept. 5, but never earlier than the week before Labor Day. Looking at the decade ahead, in 2003, 2006, 2007, 2008, 2012 and 2013, classes start the day after Labor Day; in the other years classes would start the Tuesday before Labor Day.

- The fall commencement ceremony is on Saturday, the day after the last day of finals, falling between Dec. 17 and 22, except that on Dec. 22, 2006, undergraduate commencements would be on Friday evening.

- No alteration in the length of class times is anticipated, nor will any change be introduced for spring semester calendars. Thus, Penn State's academic year will consist of 145 class days and 10 assessment/exam days, which is very close to the average for the Big Ten, and four to five days more than the University of Pittsburgh, Temple University and the State System of Higher Education.

- It is desirable to have an orientation period for new students that, at the University Park campus, is somewhat increased in scope. Consequently, it is recommended that the arrival time frame for new students at University Park be between noon on Friday and noon on Saturday. This will allow formal orientation activities to begin following lunch on Saturday. This will provide for significantly increased continuity in our programming for new students.

- Exam/assessment periods will be available for the principal summer session. This can be achieved by a combination of strategies, and the Registrar will be asked to develop a plan that does not unduly lengthen the summer session.

With any calendar, there always are matters that require

Key dates in the new academic calendar

2003-04

- **Fall classes start:** Tuesday, Sept. 2. Classes will follow a Friday schedule.
- **Study day:** Friday, Oct. 10.
- **Thanksgiving break:** Wednesday, Nov. 26, through Friday, Nov. 28.
- **Fall classes end:** Friday, Dec. 12.
- **Final exams:** Monday, Dec. 15, through Thursday, Dec. 18. Friday, Dec. 19, is reserved for exam conflicts.
- **Commencement:** Saturday, Dec. 20.
- **Spring classes start:** Monday, Jan. 12.
- **Spring break:** Monday, March 8, through Friday, March 12.
- **Spring classes end:** Friday, April 30.
- **Final exams:** Monday, May 3, through Friday, May 7.
- **Commencement:** Friday, May 14, through Sunday, May 16.

special attention. Several are discussed below, and I invite readers to bring to the attention of John Cahir (jic2@psu.edu) or Susan Youtz (scy1@psu.edu) any relevant questions that are not addressed here.

- **Classes on days before and after breaks.** All deans and department heads are reminded that faculty will be expected to meet all scheduled classes. Any exceptions must be approved by the dean of the college offering the course or his or her designee; a report of such exceptions will be reviewed by the Provost's Office. Moreover, students are urged to avoid asking faculty members to cancel classes. Classes will be held when scheduled. Only by doing this can we be honest with ourselves and with the students and preserve the integrity of the new calendar.

- **Arrival Day at University Park.** On those years when classes begin on the day after Labor Day, Arrival Day for new students could conflict with football traffic. On such years, arrival will be distributed between Thursday and Friday. Those responsible for the logistics and planning for arrival and orientation should begin planning for 2003 immediately.

- **Campus College calendars.** Modest departures from the standard University calendar can be considered, but must be approved by the provost.

- **Alternative assessments.** Active and collaborative learning, online modules, research activities and group presentations are increasingly part of a Penn State education. This calendar encourages those practices, and faculty should begin plans to adapt their courses to the new calendar.

Graham Spanier

April 15, 2002

An Academic Calendar Chronology

Debate about — and changes to — the University calendar are nothing new. A great deal of time has been spent in the effort to come up with a calendar that addresses the needs of both the students and the University.

The calendar changes announced this week by President Graham B. Spanier are the latest chapter in a long history of change. The following chronology describes calendar changes and discussions during the past 45 years.

18 18 18

October 1957: Incoming President Eric A. Walker stressed the need to change the calendar to achieve year-round operation.

February 1960: The Faculty Senate voted to give calendar authority to the administration, noting that excellence is possible under any calendar system.

October 1960: Walker announced the four-term system, effective in the summer of 1961. The spring term began about Oct. 1 and the spring term ended in late May.

June 1961: The Faculty Senate formally adopted the "Basic Calendar Policy" of the new term system. All examinations were to be held in regularly scheduled class periods; there was no examination period as such.

June 1962: A final examination period of three days was added to each term. The spring term ended in mid-June.

December 1964: The Faculty Senate began discussion on problems of the class schedule.

October 1967: The Faculty Senate subcommittee met to discuss calendar problems under the term system.

March through July 1969: The Faculty Senate considered a semester calendar.

February 1970: The Faculty Senate discussed an extension of the Thanksgiving recess.

October 1972: President John W. Oswald, in suggesting changes in the calendar, noted for the Senate's information that the Board of Trustees, in its governance documents of June 1970, delegated the responsibility for setting the University calendar to the president. His proposed calendar shifted the academic year to begin around Labor Day. The issue was considered by the Committee on Academic Affairs of the Senate. The committee endorsed the basic principle of three terms occurring between Labor Day and the beginning of June; insisted on an examination period; acknowledged the "many demonstrable problems" of beginning the winter term before the winter recess but recognized that a three-term calendar required such action; did not support a spring recess; accepted orientation occurring within, rather than prior to, each term; and could not support a summer of two, five-week sessions. The calendar as proposed was approved by a voice vote. The new term calendar for the period of summer 1973 through summer 1976 was announced; arrival date in the fall was typically the Tuesday after Labor Day; the winter was split by the December recess; and spring term commencement was typically the last day or so in May.

March 1973: The President's Commission on the Academic Calendar was appointed jointly with the concurrence of the Faculty Senate and after consultation with the Council of Academic Deans. The commission first met in December 1973.

August 1974: A Capitol Campus calendar different from the rest of the University was approved; the Capitol Campus calendar ended the fall term in mid-December and began the winter term in early January.

October 1974: An experimental summer term calendar for 1975 was approved; a standard, six-week session was superimposed in the middle of the 10-week term.

May 1975: Oswald extended the existing term calendar through 1976-77 with a lengthened exam period, which had the



Students fill the mall outside Pattee Library on the University Park campus during class-change times. Students will adhere to a new academic calendar beginning in fall 2003.

Photo: Julie Brink

effect of requiring that orientation and registration take place before Labor Day in 1976.

April 1976: Oswald announced modified term calendars for the period from fall 1976 through fall 1983.

April 1978: Provost Edward D. "Ted" Eddy appointed an ad hoc committee to consider a change from the term to the semester calendar.

September 1980: Oswald advised the University community that he was inclined to return Penn State to a semester calendar.

November 1980: A Senate Forensic Session was held on the early semester calendar proposal; 10 standing committees of the Senate reported on calendar change discussions.

March 1981: The changeover to the early semester calendar was announced. Details of the first five years' calendars were given and the Calendar Conversion Council was appointed. The council first met in April 1981.

September 1981: Class Schedule Principles were adopted by the Calendar Conversion Council.

September 1982: The Faculty Senate revised its baccalaureate program categories and definitions in preparation for the shift to the semester system.

November 1982: James B. Bartoo, chairman of the Calendar Conversion Council, reported to the Faculty Senate that most of the major policies and conversion matters were in place for the switch to the semester system.

February 1983: The Faculty Senate approved the academic classification of students by semester. The classification was based on total credits earned and was uniformly applied to all students.

September 1983: The calendar switch from terms to semesters is complete, as students return to campus for fall semester under President Bryce Jordan.

November 1983: A new summer session, beginning June 13 and ending Aug. 8, was announced. Courses varied in length from two to eight weeks.

October 1984: The Office of the Summer Session announced the initiation of a new "Intercession," starting May 13 and ending June 7, 1985. The four-week session was to provide an intensive study of courses primarily for continuing Penn State students.

September 1985: The University Faculty Senate endorsed a proposal to adopt a 14-week semester calendar. The recommendations, which are advisory, were to be studied by the administration to determine the implications and logistics involved.

September 1986: Jordan announces decision to reject a Faculty Senate proposal to change to a 14-week semester calendar and keep the semester at 15 weeks.

1987-1991: While several changes were made to the curriculum, no major adjustments were made to the academic calendar during these years.

March 1992: The spring break holiday is changed to begin after the eighth week of classes in the spring semester.

August 1996: A change in the academic calendar is announced, effective August 1997. Starting with the fall 1997 semester, the academic year was changed to begin a week later to give students more time to wrap up summer jobs, work/study programs and internships. The semester still included 15 weeks of classes, two study days and a six-day final examination period.

October 1999: Two class free days are incorporated in fall semester, to be held on Monday and Tuesday in the eighth week of the fall semester. In addition, the start of Thanksgiving break was changed to begin at 2:15 p.m. on the Wednesday before Thanksgiving.



University Park Calendar

April 19 - April 28

SPECIAL EVENTS

Friday, April 19

Ice Rhythms 2002, with Olympic team alternate Matt Savole and Olympic pairs team alternates Stephanie Kakesavich and Aaron Parchman. For tickets, call (B14) 865-4102.

Monday, April 22

"Presidents, Politics and Power: American Presidents Who Shaped the 20th Century — Ronald Reagan: Reordering Priorities," discussion series, 7 to 9 p.m., 101 Pattee Library.

Thursday, April 25

Ringling Bros. and Barnum & Bailey Circus, The Bryce Jordan Center, through April 28. For tickets, call (B14) 865-5555.

Saturday, April 27

Spring family day, 11 a.m. to 1 p.m., Palmer Museum of Art.

MUSIC

Friday, April 19

Rapper Nell, with special guest the St. Lunatics, 8 p.m., The Bryce Jordan Center. For tickets, call (B14) 865-5555.

The Washington Ballet, 8 p.m., Eisenhower Auditorium. For tickets, call (B14) 863-0255.

Saturday, April 20

Blue and White Concert, The Glee Club, 8 p.m., Schwab Auditorium. For tickets, call (B14) 863-0255.

Sunday, April 21

The Symphonic Wind Ensemble, Dennis Glocke, director, 4 p.m., Eisenhower Auditorium. Admission is \$5 for adults and \$3.50 for children.

Monday, April 22

The Penn State Trombone Choir, Mark L. Lusk, director, 8 p.m., Eisenhower Auditorium.

Tuesday, April 23

The Campus Band, Christopher Bygott and Matthew Sislo, directors, 8 p.m., Eisenhower Auditorium. Admission is \$5 for adults and \$3.50 for children.

The Penn State Chamber Singers, Brett B. Outton, director, 8 p.m., Eisenhower Auditorium.

Wednesday, April 24

The Concert Band, O. Richard Bundy, director, Christopher Bygott, assistant conductor, 8 p.m., Eisenhower Auditorium. Admission is \$5 for adults and \$3.50 for children.

Thursday, April 25

Penn State Clarinet Choir, Bach's Lunch concert, 12:10 p.m., Eisenhower Chapel. The Symphonic Band, Dennis Glocke, director, Christopher Bygott, assistant conductor, 8 p.m., Eisenhower Auditorium. Admission is \$5 for adults and \$3.50 for children.

SEMINARS

Friday, April 19

Stephanie Weirich on "Programming with Types," 10 a.m., 302 Pond Laboratory. Eric Cornell on "Artifice and Equilibrium: Experiments with Synthetic and Natural Forces in a Superfluid Gas," 11 a.m., S5 Osmond Laboratory.

"The Open Archival Information System

Imperative: Enduring Record or Digital Dust?" videoconference, noon to 2 p.m., 514 Pattee Library.



"Sonata in Blue" is part of an exhibit of digital work by John Paul Caponigro at the Palmer Museum of Art on the University Park campus. The exhibit runs through June 2.

Sam Gilliam on his recent work, noon, Palmer Museum of Art.

Sam Gilliam in conjunction with a performance of The Washington Ballet, 1 p.m., Palmer Museum of Art.

Ephraim Goveore on "Potential of Low-Cost Plant Nutrient Agro Technologies to Address International Food Security and Environmental Issues," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.

Peter Hohendahl on "The Theory of the Public Sphere Revisited," 4 p.m., 102 Weaver.

Thomas Perreault on "Indigenous Organizing and Land Rights in the Ecuadorian Amazon," 4 p.m., 301 Steidle.

Fred McFeely Rogers, 8 p.m., 100 Thomas.

Monday, April 22

Lyle Isaacs on "Hydrophobic Self Assembly,"

11:15 a.m., S5 Osmond Laboratory.

Evelyn Hu-DeHart on "Slave or Free? Black or White? Chinese Coolies on 19th-Century Keano Plantations," 12:40 p.m., 102 Kern.

Tuesday, April 23

Frank Bates on "Block Copolymers: Designer Soft Materials," 4 p.m., 22 Oeike.

Robert Ormrod on "Real World 101: Seven Career Essentials for College Students," 4 to 5:30 p.m., 101 Pattee.

Isao Mochida on "Roles of Fuel Science and Technology for the Civilization of the 21st Century," 4 p.m., C213 Coal Utilization Laboratory.

Sergey Cherkis on "Gravitational Instantons and M Theory Five-brane," 4:30 p.m., 210 Owey Laboratory.

Nelly Toll on "Imagining a Better World: Pictures by a Child in Hiding in Nazi-Occupied Poland, 1943," 7:30 p.m., Lipson Auditorium, Palmer Museum of Art.

Wednesday, April 24

Zhihua Zhu on "Raman Spectroscopic Detection of Carbon Nanotubes," and Linnan He on "Spit-Flow Thin Fractionation," 11:15 a.m., S5 Osmond Laboratory.

Major Coleman on "Who's Qualified and Who's Not: Job Experience and the Impact of Affirmative Action," 3 to 4:30 p.m., 216 Willard.

Steven Girvin on a subject to be announced, 3:30 p.m., 318 Osmond Laboratory. Arthur C. Martinez, 4 p.m., Assembly Room, The Nittany Lion Inn.

Thursday, April 25

Milan Mrksich on "Electroactive Surface for Controlling and Studying Cell Adhesion," 12:15 p.m., S5 Osmond Laboratory.

Steven Girvin on "Physics of Quantum Bits," 4 p.m., 117 Osmond Laboratory. Isao Mochida on "Energy Storage and Transformation by Carbon Materials," 4 p.m., C213 Coal Utilization Laboratory.

Friday, April 26

Howard C. Stevenson on "If We Must Die: Managing Hypervulnerability in African American Adolescent Males," 11:30 a.m. to 12:30 p.m., S209 Henderson.

Richard M. Whiting on "Coal — The Energy Constant," 4 to 5 p.m., 26 Hosler.

EXHIBITS

HUB-Robson Center

"Freedom to Play: The Life and Times of Basketball's African-American Pioneers," through May 12.

"Hands Across the Sea: Medallion Art from Poland and America," through May 1. "Anne Frank: A History for Today," through April 30.

Handmade Holocaust books by Mount Nittany Middle School eighth-grade students, through April 30.

Kern Commons exhibition area

"Images From Our Heritage: Experiences of Penn State Hiller Students in Israel," through May 12.

"The Nazi Scourge: Postal Evidence of the Holocaust and the Devastation of Europe," through May.

Palmer Museum of Art

"Sam Gilliam: Recent Prints," through May 26.

Digital work by John Paul Caponigro, through June 2.

"Carrie Mae Weems: Jefferson Suite," through June 9.

Pattee and Paterno Library exhibit areas

"Smart Books, Smart Design," through May 3. "The Many Realms of King Arthur," through May 10.

"Legends of King Arthur," through May 31. "Playing for Keeps: Keystone Baseball," through July 13.

"Fred Waring and Sports Figures," through May 31.

Warman Commons

"Photographic Ethnobotany: Peruvian Plants and People," photographs by Benjamin Chernel, through May 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Private Giving

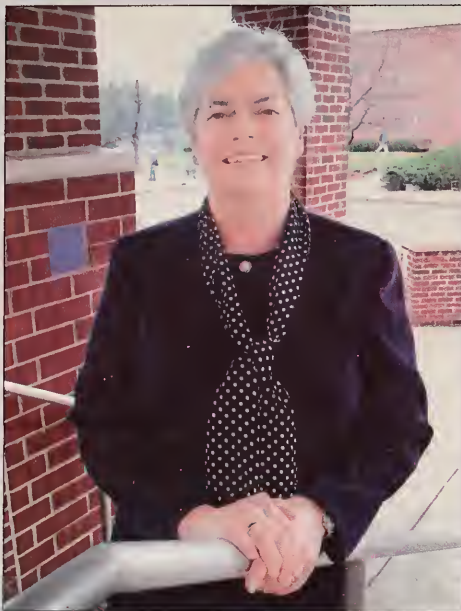
Leading the Way

The Faculty and Staff Campaign 2002

"I've been with Penn State for a long time, both as a student as well as an employee. I'm very proud of my association with the University. We enroll bright, capable students who graduate as highly successful alumni; and we hire energetic, dedicated employees who make working here fun and meaningful. In the future, I would like to see Penn State's reputation for excellence continue to grow. I hope my contributions add to this quest."

— Roseann Sieminski,
assistant controller/bursar

For information on faculty and staff giving, check the Web at <http://www.development.psu.edu/WaysToGive/AnnualFund/facultystaff.htm>



Kimberly-Clark pledges \$100,000 for IST Building

The Kimberly-Clark Corp. has announced a \$100,000 gift in support of the University's new Information Sciences and Technology Building.

The gift will directly support the Kimberly-Clark Display and Demonstration Laboratory, a public space where state-of-the-art technology will be showcased.

The 600 square-foot Kimberly-Clark Laboratory will be on the walkway level of the new building just steps away from the Cybertorium and the central atrium.

Ground was broken for the Information Sciences and Technology Building on Oct. 26, 2001. Currently, foundation and support-pile work is under way with steel erection to begin in late spring. In addition to providing classrooms, research labs and office space for the School of Information Sciences and Technology and the Department of Computer Science and Engineering, the building will span North Atherton Street (Business Route 322) with a pedestrian-safe bridge. Completion is expected in late 2003.

Kimberly-Clark is a leading global manufacturer of tissue, personal-care and health-care products with manufacturing facilities in 41 countries and product sales in more than 150. Employing more than 66,000 people worldwide, Kimberly-Clark posted sales of \$14.5 billion in 2001. Nearly one-fourth of the world's population, or 1.3 billion people, use Kimberly-Clark products each year.

PROMOTIONS

Staff

Anna Mary Loope, administrative assistant II in The Smeal College of Business Administration

Gilbert A. Loshelder, supervisor engineering laboratories at Penn State McKeesport

Sharon D. Lufton, library assistant I in University Libraries

Jeffrey R. Mallas, assistant director for athletics at Penn State Worthington Scranton

Barbara E. Marskall, staff assistant VII in Division of Development and Alumni Relations

Gerald L. Martin, senior extension associate in College of Agricultural Sciences

Elizabeth E. Matthesen, staff assistant VIII in College of Agricultural Sciences

Theresa B. McAllister, help desk coordinator I in College of Medicine, Hershey Medical Center

Cindy L. McCarthy, library assistant I at Penn State Altoona

Pamela A. Mehler, staff assistant VII at Penn State Harrisburg

Sandra K. Meyer, assistant director of Morgan Academic Support Center for Student-Athletes in Office of Vice Provost and Dean for Undergraduate Education

Amy M. Miller, manager food services II in Housing and Food Services

Diane G. Mills, staff assistant VII in University Faculty Senate

Cynthia M. Morris, staff assistant VIII at Penn State Harrisburg

Dorothy A. Mowery, staff assistant V at Penn State Dickinson School of Law

Amanda R. Mulfinger, senior data manager in College of Medicine, Hershey Medical Center

Patricia L. Murnyack, staff assistant VII in College of Agricultural Sciences

Robert Notari, coordinator, computer laboratories and microcomputer consultant at Penn

State Worthington Scranton

Amy L. Nyman, staff assistant VII in College of Arts and Architecture

Susan M. Oswalt, staff assistant VII in Office of Physical Plant

Brian J. Patson, research technician II in College of Medicine, Hershey Medical Center

Connie J. Peters, staff assistant IX in Applied Research Laboratory

Theresa D. Peters, administrative assistant IV in Eberly College of Science

Stephen D. Peterson, coordinator of information systems in College of the Liberal Arts

Jessica H. Podgers, staff assistant VI in University Libraries

John K. Potter, senior engineering aide in Applied Research Laboratory

Douglas R. Powell, supervisor renovations II in Office of Physical Plant

Randall I. Press, assistant sports information director in Intercollegiate Athletics

Lois A. Rice, staff assistant VII in College of Agricultural Sciences

Tammi L. Richard, administrative computer system specialist in Division of Outreach and Cooperative Extension

Kelly S. Riley, library assistant I in University Libraries

James H. Ritchey, library assistant I in University Libraries

Pablo L. Rivera, microcomputer information specialist in College of the Liberal Arts

Raymond P. Rothstein, research support assistant in College of Medicine, Hershey Medical Center

Sara E. Schimmer, assistant director of annual giving in Division of Development and Alumni Relations

Kathleen M. Seasholtz, staff assistant VII in Eberly College of Science

Mark T. Sharer, director of development I in Division of Development and Alumni Relations

Teamwork works for Abington artists

By DAVID JUANIER
Penn State Philadelphia Region

When you're an artist and one of your main goals is to make people take notice, it certainly doesn't hurt your ego any when one of those people happens to be another "artist" who is at the forefront of getting noticed — namely Steven Spielberg.

Spielberg, perhaps best known for his hit films, "E.T. — The Extra Terrestrial," and the "Indiana Jones" series, was dining at the Canal House in New Hope one summer evening when he couldn't help but notice the murals that Penn State Abington students Kristy Krajnenko and John Thompson painted in the establishment.

"Steven Spielberg went to eat at the restaurant, and he asked who painted the murals. He apparently thought they were pretty neat. I thought that was awesome," said Krajnenko, a senior. The murals at the Canal House, which were painted during the summer of 2000, include an Italian garden, plus renderings of larger-than-life figures in the world of entertainment, including Marilyn Monroe, Frank Sinatra, Elvis, Stevie Wonder and Judy Garland, to name a few.

On the heels of their success in New Hope, Krajnenko and Thompson have been commissioned by Penn State Abington to do similar work in the Lares Union Building at Abington. They recently finished painting one mural that portrays the history of the campus, dated back to when it was the Ogontz School for Girls in the early 20th century, and another that focuses on the current and future of the campus. The venue might be vastly different, but the stakes are equally high for the painting pair: to create murals that have enough power to make people stop and look, to think, and to stand up to the test of what they hope will be many decades of adorning those walls.

"It's very challenging to please everybody, because it is a public mural. There is a certain degree of vulnerability in that there is never a time when an artist's work is going to make everybody satisfied," Krajnenko said. "We went out and did a lot of research in the archives room of the library, and we've been meeting consistently with administrators and (art teacher) Bonnie Levinthal. I didn't know that (aviator) Amelia Earhart went here, though she didn't graduate. I also didn't know that rich men used to send their daughters here so they could find rich husbands — like arm candy. That's kind of sad. With the second mural, we want to depict all the majors that are offered and do it in a neat way."

Familiar landmarks such as Sutherland Building, the duck pond in the center of campus and much more also will be integrated into the murals, creating an intergenerational artistic landscape sure to impress those who have attended Penn

State Abington since its inception in 1950, as well as those who predate the Penn State legacy there.

If painting seems like an individual art and not a "tag-team" event, Krajnenko and Thompson have enough variation in the way they approach the canvas to complement and not clash with each other: Krajnenko considers herself a free spirit who attacks the canvas with passion; Thompson says his art is more a product of precision.

"He's very meticulous. I wish you could see his palette — it's very neat, and none of the colors touch," said Krajnenko, chuckling as she considers her own not-so-pristine palette. "Mine are pretty much all together. He's really good at painting the 'masculine things,' and I guess I'm good at the feminine stuff. He's awesome at statues, and I'm good at the flowery stuff. You can tell our styles are different, but they seem to work well together."

Thompson agrees that he and Krajnenko work well together, though he professes that things aren't always rosy: "We butt heads sometimes, but on the flip side, sometimes it motivates us more. It's great to have someone there painting with you who can offer you immediate feedback. It gives you a bit of confidence, and when you get a compliment on something you worked so hard on (from onlookers), it definitely gives you confidence."

Both artists say their families have been instrumental in their early success as artists.

"My parents were always encouraging me to make pictures, and my dad kept everything I did," said Krajnenko, who has done Winnie The Pooh and Piglet murals for neighbors as part of a business she started two years ago called Imagine That Murals. It was Krajnenko who got commissioned for the Canal House job, and called in Thompson when she realized the project was too much for one artist. Thompson also does some projects on the side, including a Christmas gift drawing of his friend's mom's new Audi TT convertible sports car.

For Thompson, art always has run in the family. His grandfather, Harry Thompson, was a woodworker who has been "working with wood every day since he was 16," he said. One of his great-grandmothers also was an art student. After moving out of his parents' home and taking a year off from college in the late 1990s to figure out his career goals, it didn't take the younger Thompson long to decide that getting an education was a smart thing to do.

"Now that I've returned to school and I'm paying for it, I certainly want to do well and prepare myself for a career in art," he said. Thompson plans to enter the integrative arts major in the fall, while Krajnenko already is enrolled in the program.

Thompson, a junior, plans to put his photo-realism inter-



Student Kristy Krajnenko works on a mural in the Lares Union Building at Penn State Abington. Along with partner John Thompson, the two painted a mural portraying the history of the campus.

ests to work for a magazine after graduation, while Krajnenko aspires to hook up with an advertising agency. Neither is particularly interested in falling into one particular artistic stereotype.

"I'm not going to be a struggling artist," Krajnenko said. "I'm too determined."

The murals were unveiled April 10 during the Lares Union Building rededication. More than \$5 million has been spent on renovations to the building, and the artwork is an appropriate finishing touch, according to Campus Executive Officer Karen Sandler.

"John's and Kristy's work is outstanding, and it's fitting that two of our own art students should exhibit their talents as part of a project that depicts our pride here at Penn State Abington," she said.

Up-to-date photographs of the murals can be viewed on the Penn State Abington web site at <http://www.abington.psu.edu>.

David Juanier can be reached at daj9@psu.edu.

Altoona's interactive Web, theatre program enlightens about disabilities

Have you ever wondered what it's truly like to live with a disability, or how to effectively work and communicate with someone who has a disability?

Faculty and staff throughout the Penn State system now will have the opportunity to walk in the shoes of someone who's disabled, thanks to a new interactive Web-based training and awareness program.

Titled "In Their Shoes," the interactive format uses graphics, sound and Web technology that provides a glimpse of what it's really like to have functional limitations that substantially alter a major life activity, such as learning, seeing, hearing or functioning socially. The Web-based program is 15 to 20 minutes in length with a pre- and post-test and a built-in evaluation component.

The proposal to develop the project was initially submitted to fulfill a need for a convenient and dynamic medium in which to provide faculty and staff with a combination of accurate information, increased awareness and heightened sensitivity regarding working with individuals with disabilities.

Funding for the "In Their Shoes" project has come from the Penn State Altoona Division of Student Affairs and the Penn State Equal Opportunity Planning Committee. An initial proposal for \$14,050 was submitted in fall 2000 for implementation during the academic year 2001-2002.

The "In Their Shoes" project is being marketed and implemented through disability counselors at all Penn State locations. The project will be introduced through a CD-ROM and brochure which will provide information about the project

and will enable participants to easily access the Web site.

A 20-minute theatre presentation also is being used to market the Web site. Written by playwright Scott W. Kirk of the Pittsburgh-based Saltworks Theatre Company, the play was developed following meetings with students with disabilities on campus, interviewing and working with project staff and researching issues related to disabilities.

The play focuses on the issue of attitudes and myths related to working with students with disabilities. The audience will have the opportunity to literally see things through the eyes of those with disabilities and get a glimpse of what it might be like to walk in the shoes of the disabled.



Penn Staters

James B. Anderson, Evan Pugh professor of chemistry, presented a plenary lecture, "Overview of Diffusion and Green's Function Quantum Monte Carlo Methods" at the Euro Winter School in Kerkdare, The Netherlands.

M. Christopher Brown II, associate professor of higher education, received the Early Career Contribution Award of the Committee for Scholars of Color in Education at the American Educational Research Association conference in New Orleans.

Vincent Crespi, associate professor of physics and the Downsborough faculty development professor in physics, has been appointed to a two-year term as a member of the editorial board of *Physical Review B*, a journal of the American Physical Society.

Dorlie Evensen, associate professor of education, was awarded the Outstanding Research Publication of 2001 award by American Educational Research Association, Division I (Research in the Professions) along with co-authors **Jill Salisbury-Glennon** and **Jerry Glenn**. The article was titled "A Qualitative Study of Six Medical Students in a Problem-based Curriculum: Toward a Situated Model of Self-Regulation." The award was presented in April at the association meeting in New Orleans.

Jawaid Haider, professor of architecture, has been awarded a Fulbright Award for 2002-03 in conjunction with a sabbatical leave. During his leave, Haider will teach and conduct research at the Indus Valley School of Art and Architecture in Karachi, Pakistan. Haider also was a keynote speaker at the Seventh National Museums Australia Conference in Adelaide, Australia. This year's conference was "Once Upon Our Times: Exploring the role of cultural institutions in creating, perpetuating and selling social, political and national myths." He has been invited to serve as a judge in an architectural competition for the design of PlaneT Exploration: The International Environmental Participatory Experience in Switzerland. PlaneT Exploration will be a state-of-the-art museum with hands-on exhibits focusing on environmental issues.

Jeffrey Hayes, associate professor of counseling psychology, received two awards for his exceptional work in psychotherapy research. He won the Early Career Achievement Award from the International Society for Psychotherapy Research and the American Psychological Association's Division of Psychotherapy presented him with the Jack D. Krasner Early Career Achievement Award.

Jay Hertel, assistant professor of kinesiology and director of the Athletic Training Research Laboratory, has received this year's Freddie H. Fu New Investigator Award from the National Athletic Trainers' Association Research and Education Foundation. Hertel has been invited to present a lecture during the annual meeting of the American Medical Society for Sports Medicine as the result of his award.

Mohsen Kavehrad, W.L. Weiss Chair professor of electrical engineering, has received the Neal Shepherd Best Propagation Paper Award by the Institute of Electrical and Electronics Engineers Vehicular Technology Society. His paper, titled "Indoor Wireless Infrared Channel Characterizing by Measurements," was coauthored by **Mohammad R. Pakvavan**, who received his doctoral degree under Kavehrad's supervision, and **Homooyoon Hashemi**, professor

of electrical engineering at Sharif University of Technology, Tehran, Iran.

Iam-Choon Kuo, distinguished professor of electrical engineering, has been appointed vice president of technical affairs for IEEE Lasers and Electro-Optics Society. He will oversee a technical council consisting of 17 technical areas ranging from optoelectronics, fiber optics, optical material and processes to nonlinear optics, semiconductor lasers and optical communication and information processing.

Akhlesh Lakhtakia, professor of engineering science and mechanics, has been listed as one of the top 25 authors in optoelectronics by ISI, a company that provides access to high-value, essential information for researchers and scholars worldwide. From 1991 to 1999, Lakhtakia authored 89 papers in the field, earning seventh place on the list.

Don Alvaro Leon, associate professor emeritus of architecture, received 10th place out of 299 entries in an international design competition for his design of a laboratory and office building for New England Biolabs in Ipswich, Mass.

Robert Lima, professor emeritus and fellow emeritus of the Institute for the Arts and Humanistic Studies, was honored recently in Spain for his career-long commitment to the culture of Galicia, the northwestern province of Spain, and for his writings on its native son, Ramón del Valle-Inclán. He was inducted into the Enxebre Orden da Vieira, an international confraternity of distinguished businessmen, politicians, writers, painters, musicians and academics, in a ceremony in Madrid.

Jerrold Maddox, professor of art, gave an invited presentation, "Good Practices for a Virtual University," while serving as a consultant to the University of Veracruz in Xalapa, Mexico.

Heather Bruhn McCune, a doctoral candidate in art history, was awarded a Fulbright Award for the 2002-03 academic year. McCune will travel to Cologne and Heidelberg, Germany, to conduct research for her dissertation, "Late Gothic Tower Monstrances in Middle Europe."

Dave Mortensen, associate professor in the Department of Crop and Soil Sciences, received the Outstanding Teacher Award from the Weed Science Society at the Weed Science Society of America meeting in Reno, Nev.

Richard Nichols, professor of theatre, has been awarded a Fulbright Scholars grant for the 2002-03 academic year. Nichols will conduct research in South Korea, collating and editing an anthology of contemporary South Korean plays in English translations. During the 10-month duration of his study, he will be associated with the Institute for the Performing Arts at Sungkyunkwan University, South Korea's oldest institution of higher learning.

Admissions Marketing Report has honored University marketing projects and **Outreach Marketing** staff with seven awards. The "Penn State For You" advertising campaign received three awards — gold medal for Best Total Advertising Campaign, gold medal for Best Newspaper Ad and silver medal for Advertising Insert. Shaver's Creek Environmental Center received a silver medal for its Web site. The Penn State World Campus Dietetics "Grow Professionally" program received a Merit Award for Magazine

Ad. The World Campus Adult Education newsletter received a Merit Award for Newsletter. The Distance Education Catalog received a Merit Award for Catalog.

Pennsylvania College of Technology's public affairs series, "Penn College and You," recently received a bronze Telly Award for Information Programming, while its public television cooking series, "You're the Chef," earned a Silver Paragon Award from the National Council for Marketing and Public Relations.

The Penn State/State College Area School District Professional Development School program has been selected by the Association of Teacher Educators as the winner of the Distinguished Teacher Education Program Award for 2002. The award is given to recognize outstanding teacher education programs that exemplify collaboration between local education agencies and institutions of higher education in program development and administration.

Brant Pope, professor of theatre, received a "Tennie" Award from *The Tennessean* newspaper for his direction of the Tennessee Repertory Theatre's production of "ART." The production also received a "Tennie" for outstanding production.

Without Hatreds or Fears: Jorge Artel and the Struggle for Black Literary Expression in Colombia, by **Laurence E. Prescott**, associate professor of Spanish and African American Studies, has been chosen as one of Choice's Outstanding Academic Titles for 2001. The book is a study of *Tambores en la Noche (Drums in the Night)*, two volumes of verse by Jorge Artel (1909-1994), the principal poet of black expression in 20th-century Colombia. The honor is given annually to books that exhibit excellence in scholarship and presentation; that make a significant contribution to the field; and that show importance — often the first — treatment of a specific subject. The selection includes less than 3 percent of the more than 23,000 books that *Choice* reviewed.

Calypmudi R. Rao, emeritus holder of the Eberly Family Chair in statistics and director of the Center for Multivariate Analysis, has been awarded the highest honor bestowed by the University Visva-Bharati in India, "Desikottama." The "Desikottama" award, translated into English, is "Ideal Person of the Country." It was given to Rao in recognition of his "enormous contributions in the field of statistics and its applications" by the prime minister of India, Atal Bihari Vajpayee, the chancellor of the university. Rao also delivered the Occasional Address to the students at the Faculty of Informatics graduation ceremony at the University of Wollongong in Australia, where he was named the first visiting professorial fellow of the university's Institute for Mathematical Modeling and Computational Systems.

Gerson "Gus" Rosenberg, Jane A. Fetter professor of surgery, professor of bioengineering, chief of the Division of Artificial Organs at Milton S. Hershley Medical Center and the College of Medicine, and a pioneer in the design and development of pumps to assist or replace failing hearts, has been named 2002 "Engineer of the Year" by the readers of *Design News* magazine. Rosenberg was honored at the annual Design News awards dinner at the Ritz Carlton Hotel, Chicago. His award included a \$25,000 educational grant from the Torrington Co., Torrington, Conn., which will go to the College of Engineering, Department of Bio-medical Engineering at the University.



Focus on Research

Software helps design surgical mini-tools

By BARBARA HALE
Public Information

University engineers have developed new design software and are using it, in cooperation with surgeons from the College of Medicine, to develop new multi-task surgical tools that look like tiny jaws but will be able to bend around obstructions.

Mary Frecker, assistant professor of mechanical engineering and software team leader, said, "The new software doesn't replace a designer's intuition and experience but suggests a topology or layout based on the designer's specifications and the physical size constraints for the objective. Our software was specifically developed to aid in designing instruments that do more than one thing. Although some topology optimization software is used in industry, we're not aware of any, besides ours, for designing multi-task instruments."

Working with Randy S. Haluck, director of surgical simulation and minimally invasive surgery (MIS), and others at Hershey Medical Center, the team has used the software to develop a design for a single MIS instrument that can grasp, cut, pivot and bend around obstructions. In minimally invasive surgery, which also is known as laparoscopy or endoscopy, a video camera and long slender surgical tools are inserted through small incisions or ports in the body. The smaller incisions cause less trauma and decrease postoperative pain, recovery time and mortality. However, current MIS surgical tools give surgeons limited tactile feedback and dexterity.

Haluck explained that, since most existing MIS tools are single-function instruments, the surgeon must constantly withdraw and re-insert new tools. Continually switching instruments can lengthen time in operation and compromise safety. To find common patterns of instrument exchange, the University team studied videotapes of 29 surgical procedures and identified sequences in which multifunctionality could improve efficiency. For example, the study showed that exchanges between the scissors and graspers occur frequently, particularly in gall bladder removal operations, one of the most frequently performed MIS procedures. So, both grasping and cutting were incorporated into the design for the team's new instruments.

One version of the multi-functional tool, small enough to be inserted into a 5 mm incision, already is in prototype. Haluck says that he expects to begin testing it in a laparoscopic trainer box very soon and to conduct animal tests within six months. The tool consists of tiny stainless steel jaws that can function as miniature scissors, with blades the size of rice grains, at the end of a long insertion rod. The jaws can also function as graspers when the surgeon flips a switch on the instrument handle. Using other switches on the handle, the surgeon can rotate the blades to acute right or left angles to get around obstructions. In a compliant version, still on the drawing board, the surgeon even will be able to make the blades bend to improve maneuvering.

Haluck added, "This multifunctional approach eventually may be used in cardiac therapy or in colonoscopy, for example, where the surgeon may have to snake an instrument a full meter into the colon in some situations — and snake it out again every time an instrument has to be exchanged. Having a multifunctional tool could reduce these time-consuming instrument exchanges."

The new software has been copyrighted and the University has applied for provisional patents for both the compliant and non-compliant versions of the new MIS tool.

Other members of the team are Ryan P. Dziedzic, master's degree candidate in mechanical engineering; Jeremy Schadler, a master's degree candidate in mechanical engineering; and Alan Snyder, professor of bioengineering in the College of Medicine.



Mary Frecker, assistant professor of mechanical engineering, helped design software that enabled surgeons to develop new multi-task surgical tools. Below is a closeup of the prototype.

Photos: Greg Glinco



'Metadata' used to organize digital resources

Digital technology has taken learning resources from the static confines of the old overhead projector to easily accessible, interactive experiences that include sound and motion. But despite the dramatic evolution in the quality of learning resources, there has been little progress towards a system of classification that allow educators to efficiently identify, locate and reuse these materials.

Now, two teams, whose members include researchers and information technology experts from the University, are participating in projects designed to bring order to a burgeoning but chaotic collection of digital educational resources. At the heart of their projects is a common, indispensable ingredient: metadata or data about data.

Several years ago, Instructional Management Systems Global Learning Consortium Inc. (IMS) began working on defining metadata to include in electronic learning materials to help educators more easily identify and share resources.

The Center for Institutional Cooperation, an educational consortium of 12 major research and teaching universities including Penn State and charter member of the IMS specification project, hopes to demonstrate the value of the IMS specifications through the development of a prototype repository for metadata.

The CIC Educational Resource Repository (CICERO) project, whose team includes members from a number of CIC institutions, is led by Mike Halm from the Center for Education Technology Services.

The CICERO repository is designed to allow users to add IMS-specified metadata to materials to clearly identify them, to store the metadata and to provide a way to search for resources using the metadata that will yield highly specific and accurate results.

The Penn State Visual Image User Study (VIUS), a project funded by the Mellon Foundation, shares CICERO's goal of helping users more efficiently identify, store, and locate learning resources. VIUS (pronounced "views") however, focuses specifically on the use, storage and retrieval of digital images.

The VIUS team first will conduct a detailed assessment of the ways Penn State faculty and students use digital images. It then will use the findings of the study to design a system that will hold both the metadata that describe digital images and the images themselves.

To learn more about IMS and its specifications, visit its Web site at <http://www.imsproject.org/>.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Julie A. Brink, associate editor

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Memorial service planned



Drew Beben, University tree surgeon, left, works with Mike Hunter and Rick Dilauro from Narber's Landscaping and Nursery, Boalsburg, to plant a memorial tree on the HUB-Robeson Center lawn on the University Park campus. The tree will be dedicated Friday, April 19.

Photos: Greg Grieco

Service and plaque at University Park to memorialize Penn State student deaths

A public, multifaith service will be held to memorialize Penn State students who have died in the past year, followed by a tribute to those who have died over the history of the University, beginning at 12:15 p.m. Friday, April 19, at Schwab Auditorium on the University Park campus.

According to the Division of Student Affairs and the Center for Ethics and Religious Affairs, the parents and next of kin of recently deceased students have been invited to the memorial service, the plans for which include readings from different faith traditions by campus ministers and student representatives; music from the Penn State Glee Club; and a formal recognition of those who died. The Old Main chimes will ring for three minutes before the service begins and once afterward for each student death since July 1, 2001. Following the service, family members will receive oak tree seedlings as a living memorial to their lost ones.

Also following the service, students will lead a dedication ceremony for a plaque in memory of all University Park campus students who have died over the years. The plaque will be unveiled on the southeastern corner of the HUB-Robeson lawn, near a large Northern red oak tree that was planted April 11.



Drew Beben, University tree surgeon, removed pieces of the tie-down rope from the tree after it was planted.

Intercom

INFORMING THE PENN STATE COMMUNITY

APRIL 25, 2002



Faculty member's field lessons, Web bring biology to life

By CELENA KUSCH
Teaching and Learning Consortium

Jacqueline S. McLaughlin, assistant professor of biology at Penn State Berks-Lehigh Valley College, has a passion for life. Her enthusiasm for the diversity and complexity of biological organisms is infectious.

"Dr. McLaughlin lives and breathes such

TLC HALL OF FAME

a love for her subject matter that students have majored in biology and gone on to pursue careers in medicine and other areas of science because of her," said Nichola D. Gugod, assistant professor of communication arts and sciences at Penn State Berks-Lehigh Valley College. "She reminds me

every time I see her, why I teach — to be influential, to radiate joy of the subject matter, to be an agent of change for students."

In 2001, McLaughlin received the Four-Year College and University Outstanding Teacher Award from the National Association of Biology Teachers. This year she is being honored with a Penn State Teaching and Learning Consortium Teaching and

Learning Hall of Fame Award.

Susan Speece, dean of Penn State Berks-Lehigh Valley College and campus executive officer of the Berks campus, commented, "Jacqueline McLaughlin is certainly a top-notch teacher and the kinds of things she has been recognized for demonstrate her

TLC, page 2

Four public meetings scheduled to gather input on Intermodal Transportation concept

The first of four open forums on a proposed Intermodal Transportation concept for University Park is scheduled for noon Monday, April 29, in the HUB-Robeson Center Auditorium. The forums are open to all members of the University community. Three other forums will be held off-campus primarily for the general public, but anyone may attend any of the forums. Each meeting will feature an informational presentation followed by general discussion. The University is looking for feedback on the Intermodal Transportation concept, which proposes important changes to the University's pedestrian and vehicular system.

The Intermodal Transportation concept is the University's effort to implement the University Park Campus Master Plan, which was approved by the Board of Trustees in 1999. The plan is the definitive document which provides a blueprint for the future of University Park. It envisions a campus that is more pedestrian-friendly and environmentally sustainable, with less dependence on cars, better mass transit, more use of bicycles and walking, enhanced open spaces and in-fill instead of sprawl.

To accomplish the fundamental goal of a pedestrian-friendly and safe campus, University planners and consultants have identified a campuswide circulation strategy that is truly intermodal, in which different forms of transportation interrelate effectively. This vision of campus includes many familiar ingredients such as:



The proposed traffic plan includes increased use of buses on the University Park campus.

Photo: Julie Brink

- enhanced accommodations for pedestrians and bicyclists;
- design of an efficient transit system;
- conversion of some road areas to "pedestrian-first" zones and transitways;
- control of some vehicular access to core campus;
- consolidation of core-campus surface

parking into decks where possible; and
■ alternative parking on the periphery with efficient transit service to core campus. Fundamental to this strategy is the need to address safety problems in core campus, especially between vehicles and pedestrians.

Transportation, page 3

Commencement to be held May 10-11 at University Park

By ALLISON KESSLER
Public Information

The University Park campus will hold its spring 2002 commencement ceremonies for approximately 6,222 associate, baccalaureate and graduate degree students the weekend of May 10-May 11.

As of early April, 6,222 students are scheduled to receive degrees at the University Park ceremonies. That figure includes 21 associate, 5,246 baccalaureate, 729 master's, and 226 doctoral degree students. Systemwide, Penn State will graduate a total of 8,931 students — approximately 721 with associate degrees, 6,586 baccalaureate degrees, 1,337 graduate degrees, 103 medical degrees, five master's of law degrees and 179 juris doctorate degrees.

Penn State's honorary degree recipient is Morris Dees, chief trial counsel for the Southern Poverty Law Center. He will receive an honorary doctorate of humane letters at

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- ROTC commissioning 10
- Schreyer Honors ceremony 10

TLC

Continued from page 1

scholarly commitment to her students and her love of biology. She is exemplary in getting students actively involved in learning."

Indeed, active learning is central to McLaughlin's teaching philosophy.

"Biology is life; it's alive," McLaughlin explained. "In order to be fully appreciated, it needs to be experienced firsthand through what John Dewey called experiential learning."

"In the biology classroom, students want to have their hands on the subjects, and if they can't have their hands on it, they want their hands on a keyboard," she added.

In 1997, McLaughlin was awarded \$20,000 in funding to develop a technology-based physiology laboratory at the Lehigh Valley campus. Her current research focuses on developing and assessing Web-based, interactive learning modules to support the biology curriculum.

"Web-based learning is going to be a real breakthrough in biology," McLaughlin predicted. "It is my goal to transform the biology lecture into an interactive classroom presentation wherein students are actively engaged in the process of learning by using Web-based modules that cover key concepts. Thus, I have devoted my research to disseminating alternative approaches to teaching biology. I am so fortunate that my teaching is developing into my research."

McLaughlin has published in science and pedagogy journals and in *The Biology Place* interactive Web textbook. She currently is working with Neil Campbell, specialist in biology education at University of California, Riverside, and author of the college text, *Biology*, under an National Science Foundation grant to develop a high school biology book and Web site.

According to McLaughlin, the new text and Web materials will allow high school teachers to cover lessons just as she does in her college classes.

"With a click of the mouse, a teacher using the Web site in the classroom has interactive visuals, lessons and activities students can do. This will help teachers get them away from notes and a textbook and give them a keyboard instead."

With a computer, McLaughlin and the teachers who use her Web modules can present virtual learning activities that are as interactive as the real thing. For example, one of her lessons recreates watershed experiments in the Hubbard Brook Experimental Forest in New Hampshire. Students enter a virtual Hubbard Brook facility. They click on a button to move to different sites—a clear-cut forest or an area that has not been deforested—and collect soil samples. Back at the virtual lab, they analyze samples on equipment, then plot and discuss their findings.

McLaughlin emphasized that students learn more with this approach.

"Traditionally, in order to help students understand this lesson on the nitrogen cycle, textbooks show a chart with a horribly complicated diagram," she said. "Students learn to memorize from a color-coded diagram, and they have several misconceptions as a result. Instead, with the Web-based modules, they see how the whole process works together in a real ecosystem. We teach the complexities, and they make the connections themselves."

McLaughlin has been positive results in her own classrooms, but she also is working to assess student learning outcomes in a high school environment. Together, she and Alec Bodzin, assistant professor of technology-based teacher education and educational technology at Lehigh University, are developing protocols to assess the effectiveness of integrating Web-based instruction into the biology curriculum and in professional development workshops for high school teachers.

Faculty profile: Jacqueline McLaughlin

Who: Jacqueline McLaughlin, assistant professor of biology, Penn State Berks-Lehigh Valley College

Began teaching at the University: 1990

Research interests: Exploring firsthand the biodiversity and biocomplexity of world biomes; developing interactive Web-based modules to teach the core concepts of biology in and out of the classroom; assessing the effectiveness of integrating Web-based instruction in the biology curriculum; and enhancing the professional development of high school teachers.

Teaching philosophy: "It is my belief that teaching must combine two qualities: enthusiasm and knowledge. It is my goal to have every student sitting in my classroom feel my excitement and learn from my years of acquired knowledge and exploration."

Honors and awards: National Association of Biology Teachers' 2001 Four-Year College and University Outstanding Teacher Award and Penn State Berks-Lehigh Valley College's Alumni Award for Outstanding Teacher (2001) and Student Appreciation and Recognition Award (1996, 2001)

Education: doctoral degree in cell and developmental biology from Rutgers University

Family: Children, Erin, 12; Brigit, 9; and Patrick, 4; and husband Bryan

Hobbies: Speed walking, decorating, gardening and supporting her children in soccer, cross-country swimming, dance and violin.



"No textbook or lecture can fully convey the intricacies and complexities of nature," she said.

Beyond the virtual lessons, McLaughlin also has developed innovative, field-based learning experiences. In the summer of 1999, she began collaborating with Stan M. Zervanos, associate professor of biology at Berks-Lehigh Valley College, to develop a travel course for students to explore the world's major biomes, or large-scale ecosystems. Since then, McLaughlin and Zervanos have obtained funding for 60 students to complete field explorations of the Ecuadorian rainforest and the Galapagos Islands, the taiga and temperate rainforests of Alaska, and the coral reefs, coastal rainforests and savannas of Australia. This summer the group will explore Costa Rica.

Cutgold noted, "For many students, travel to these places would never happen without Dr. McLaughlin. In addition to the travel, she makes the trips profoundly educational. These experiences and her instruction are, for so many of her students, life changing."

Student responses confirm this praise. One student reflected, "We experienced species diversity from all angles, among the birds, reptiles and fish. I was fascinated to read about the islands and their inhabitants before the trip, but to be here and see life interact in one ecological system is really incredible. We saw frigate birds scavenge the nests of blue-footed boobies. We watched the courtship dance of the waved albatross dancing among the salubushes and shore petunias. We saw the marine iguanas basking on the lava rocks. Observing the animals living together helped me

truly understand niche selection or the role each plays in its environment."

McLaughlin and Zervanos also are working to bring this experience to other students by creating videos that document the biodiversity and biocomplexity witnessed in the field course. With the help of Penn State Public Broadcasting, McLaughlin edits 12 hours of video from each trip into a 60-minute video resource.

"If we can't take them there physically, we will take them there visually," she said. "With the videos, the students can see their peers interacting with these amazing environments. That's where you get students brainstorming, and that happens in the field. In the first-year seminar, students also will do service learning activities with the Wetlands Conservancy so they may benefit from field experience as well."

McLaughlin's excellence in teaching has earned her recognition nationwide and allowed her to expand her role at the University. Formerly an instructor at the campus, she became an assistant professor after participating in a national search process last year.

"We are just thrilled that we are able to put her on tenure track and show our students that we value quality teaching," Speece said. "Jacqueline McLaughlin's influence casts a very wide net, well beyond the classroom. She is a quality faculty member and a role model to men, women and the institution for how to embrace life and career."

Celena Kusch can be reached at ck33@psu.edu.

Nominations sought for vice provost of Undergraduate Education

Nominations and applications are sought for the position of vice provost for Undergraduate Education, a senior-level University leader who reports to the executive vice president and chair.

John J. Cahir, current vice provost and dean for undergraduate education and professor of meteorology, recently announced his intention to retire from the University effective Oct. 1.

The successful candidate will be a highly visible advocate for stimulating and improving a vibrant learning environment and promoting excellence in teaching across the University. The vice provost will promote student involvement in active and collaborative learning; support improvements in student advising and mentoring; and provide leadership for the development of facilities for active and technology-enhanced learning. In addition, the vice provost will stimulate innovations across a wide range of teaching and learning functions, from undergraduate research and writing to new models for outreach, out-of-class learning, service learning, internships and global education. New approaches to teaching and learning are expected to draw on new models for delivery, appropriate uses of new technologies and careful assessment of results of a variety of exciting approaches to learning that are taking place in many educational programs across the University.

The vice provost for Undergraduate Education will be responsible for leading a number of administrative and service units organized to further the University's broad commitment to teaching and learning, and to interact successfully with many University constituencies, including the University Faculty Senate, the Academic Assembly of the Undergraduate Student Government, all academic colleges and campuses, and other units supporting students' educational progress. Units within the Office of the Vice Provost include the Division of Undergraduate Studies, the Summer Session, Reserve Officers' Training Corps, Morgan Academic Support Center for Student-Athletes, University Learning Center and Undergraduate Fellowships.

In addition, the Schreyer Institute for Innovation in Learning will become a part of the vice provost's organization effective July 1. The Schreyer Institute will have University-wide responsibilities to design and foster new teaching and learning improvement strategies; to advance first- and second-year student support services that provide excellence in teaching and learning across the University. The Schreyer Institute will incorporate the Center for Excellence in Learning and Teaching, University Testing Services and the Teaching and Learning Consortium — a broad-ranging group of teams composed of faculty, students, staff and key administrators who seek to push the agenda for positive change in students' learning environments across the University. The vice provost also acts on behalf of the executive vice president and provost on numerous curricular and academic matters.

The successful candidate should have a tenured faculty appointment in one of the University's academic colleges, preferably at the rank of professor, and a demonstrated record of outstanding achievement and commitment to the scholarship of teaching, research and service. The ability to lead in a multi-faceted and complex organization with a broad range of student and faculty interactions and proven experience as an effective administrator are essential qualifications for the vice provost.

Personal characteristics of high energy and integrity, capacity to work with others, ability to resolve problems and sound judgment are essential. Experience in fund raising to obtain external support for large projects also is desirable.

The search will be internal to the University, with a goal of filling the position by Oct. 1 to provide the best possible transition to new leadership.

Penn State is committed to affirmative action, equal opportunity and the diversity of its work force.

Send applications or nominations by e-mail to PSUSearch@psu.edu, or on a diskette or by paper copy to Robert B. Mitchell, chair, Search Committee for Vice Provost for Undergraduate Education, The Pennsylvania State University, 201 Old Main, University Park, PA 16802. The search committee will begin to review applications on May 15 and will continue to receive them until the position is filled.

For information about Undergraduate Education, check the Web at <http://www.psu.edu/one/> or e-mail PSUSearch@psu.edu.

Transportation

Continued from page 1

Approximately 23,000 pedestrian crossings were counted at the Shortlidge/Pollock Road intersection during a normal, eight-hour weekday period, with about 50 near-misses.

Another basic need is to address vehicular congestion on core campus, which currently diminishes the efficiency of cross-campus transit. The intermodal concept proposes several new concepts aimed at solving these problems. They are:

- creation of a people-oriented Pollock Mall between Burrows and Shortlidge roads including the HUB Plaza, a major new gathering space;

- creation of a Curtin Road transitway from Allen to Bigler roads to maximize efficiency and effectiveness of the bus system;

- creation of the Shortlidge Mall, a pedestrian-first zone between the Ritenour parking lot and Eisenhower Auditorium. The mall would increase pedestrian safety at an important crossing adjacent to the new chemistry and life sciences buildings;

- consolidation of core campus parking to decks where possible, with employee parking within a five- to 10-minute walk of final destinations;

- provision of low- or no-cost parking alternatives on the periphery of campus with efficient bus service to core campus; and

- creation of transit stations to allow riders to change from regional to campus routes (CATA, Loop, Link).

Over the past year, McCormick Taylor Associates, expert consultants in traffic management, ran a feasibility study on all of these concepts. They determined that the proposed concepts are feasible for traffic impacts, and that this combination of changes would significantly enhance pedestrian safety and transit efficiency.

The Intermodal Transportation concept offers a forward-looking approach with numerous benefits — from increasing pedestrian safety and ambience to offering alternative parking options to creating a more environmentally sustainable campus.

This may be the first time since the conversion of Allen Street to Pattee Mall around 1940 that such significant transportation changes have been proposed at University Park. It is important that these changes be understood and discussed in detail at the upcoming public meetings. The Intermodal Transportation concept is a work in progress and needs community input.

25-YEAR AWARDS



Cathy A. Bloom

Paul D. Fetzer

Virginia Imboden

Zachary T. Irwin

Bob Litten



Raymond E. Lombara

Kwadwo A. Osseo-Asare

Albert Vannice

Leah W. Witzig

Diane Yeany

Observing 25 years of service at the University are, top row from left: Cathy A. Bloom, administrative assistant in Division of Outreach and Cooperative Extension; Paul D. Fetzer, group leader, mail service in Business Services; Virginia Imboden, assistant to the vice president in the Office of the Vice President for Research; Zachary T. Irwin, associate professor of political science at Penn State Erie; and Bob Litten, area facilities maintenance mechanic in the Office of Physical Plant; **second row, from left:** Raymond E. Lombara, associate dean for research, graduate studies and college advancement in the College of the Liberal Arts; Kwadwo A. Osseo-Asare, professor of materials science and engineering and geo-environmental engineering in the College of Earth and Mineral Sciences; Albert Vannice, Fenske professor of chemical engineering in the College of Engineering; Leah W. Witzig, staff assistant V in the Office of the Vice President for Research; and Diane Yeany, laundry worker in Housing and Food Services. **Observing 25 years of service at the University but not pictured are** Martha F. Mensch, staff assistant V in Division of Outreach and Cooperative Extension; Richard Moyle, stockroom clerk B in the Office of Physical Plant; Joseph Frances Olejarski, maintenance worker, general B at Penn State Erie; Lynn E. Perryman Jr., stockroom clerk B in the Office of Physical Plant; Ronald K. Stover, plumber/fitter in the Office of Physical Plant; and Milton R. Trask, manager of employment and compensation in the Office of Human Resources.

Lectures

College Board consultant to speak at conference

Carol Aslanian, senior consultant to the College Board, will be the keynote speaker at the Best Practices for Adult Learners Conference from 8:30 a.m. to 3 p.m. Monday, May 13, at the HUB-Robeson Center on the University Park campus.

Aslanian is president of Aslanian Group Inc. and senior adviser for adult learning at the College Board, New York City. For the past two decades, she has directed the Community Assessment Program, a higher education analysis service which assists state agencies, colleges and universities, and other institutions in assessing the supply and demand for post-secondary learning in their communities.

The conference will include the best



Carol Aslanian

practices showcase exhibits, featured during the morning registration. The best practice programs are also included in the conference booklet. Go to <http://www.sa.psu.edu/cals/commission/bp2002/> to submit program ideas for the booklet.

During the closing session, the commission will recognize the 2002 Outstanding Mentor for Adult Learners Award recipient and introduce the inaugural recipients of the newly established awards — Superior Service to Adult Learners and the Outstanding Adult Learners Recruitment or Retention Program.

For information, call (814) 863-3887. Participants can register online at <http://www.sa.psu.edu/cals/rommission>.

Editors' institute focuses on copy, ethics

The Institute for Editors will offer interactive training for editors seeking to sharpen their skills from June 16 to 19 at The Nittany Lion Inn on the University Park campus.

This year's institute will include interactive sessions designed to help editors become better leaders, to effectively manage their staffs and guide their reporters to quality journalism. The institute will be led by Gene Foreman, Foster professor in the College of Communications and retired managing editor of the *Philadelphia Inquirer*.

Featured speakers will include John J. Curley, distinguished professor in residence in the College of Communications

and former chief executive officer of Gannett Co. Inc.; Phillip Dixon, former managing editor of the *Philadelphia Inquirer*; and Carl Sessions Stepp, professor in the University of Maryland's Philip Merrill College of Journalism.

Session topics will include "How to Improve Your Reporters' Copy," by Beth Rogers Thompson, senior lecturer in journalism, and "A Conversation about Fairness," by Russell Frank, assistant professor of journalism.

To learn more about the Institute for Editors, visit the Web site at <http://www.outreach.psu.edu/C&I/Editors> or call (814) 863-5100.

Soil science topic will be binding interactions

Mark Strynar, doctoral degree candidate in soil science, will give a lecture from 3:35 to 4:25 p.m. April 26 in 101 Agricultural Sciences and Industries Building on the University Park campus.

The topic is "Determination of Binding Interactions Between Xenobiotic Chemicals and Soil Humic Material." The host for the event is the Department of Crop and Soil Sciences. For information, call (814) 863-1601.

PENN STATERS

Peter Schiffer, associate professor of physics, has been elected vice chair of the American Physical Society Topical Group in Magnetism and Its Applications. The position will lead to Schiffer's becoming chair of the group in 2004.

Pat Shipman, adjunct professor of anthropology, is one of four anthropologists nationwide elected this year as a Fellow of the American Association for the Advancement of Science. According to the society, Shipman was honored for her "distinguished contributions to paleoanthropology and for communication of findings in that field to the profession and the educated public."

Shyam Sundar Suthuraman, associate professor of communications and director of the Media Effects Research Laboratory, won the "top paper" award in the Information Systems Division of the International Communication Association. His paper, "Orienting Response and Memory for Web Advertisements: Exploring Effects of Pop-up Window and Animation," was co-authored by **Fangfang Diao**, who earned her master's degree in speech communication from the University in 2001 and is a doctoral student at Rutgers University.

Bruce Trinkley, professor of music, received the Marshall

National extension conference begins May 18

"Innovation through Cooperation" is the theme of the 2002 National Extension Technology Conference, which will be held May 18 to 21 at The Nittany Lion Inn on the University Park campus.

Speakers and presenters at the conference will include President Graham B. Spanier; Iowa State University President Gregory Geoffroy; David Kerr, deputy policy director in the office of Gov. Mark Schweiker; Nirmal Pal, executive director of the eBusiness Research Center; John Harwood, senior director of Center for Education Technology Services; and information technology professionals from extension systems around the nation.

Seminar focuses on genealogy resources

The University Libraries' Arts and Humanities Library will offer "Genealogy and Family History Resources in the University Libraries" from 5 to 7 p.m. Tuesday, April 30, in Foster Auditorium, 101 Pattee Library, University Park.

The event is free to the public.

This seminar will provide an overview of the different types of genealogical resources — such as the U.S. census, mili-

tary records, county histories, newspaper and more — and the tools that can be used to locate information about individuals and families. It will emphasize resources available in the libraries as well as outside resources such as Web sites.

No registration required.

For more information, call Eric Novotny at (814) 865-1014 or e-mail ecn1@psu.edu.

Bioterrorism threat explored at conference

A one-day conference on "Risk Management and the Threat of Bioterrorism in the Food System" will be held May 2 at the Executive Education Center at University Park.

The seminar, a joint venture of the College of Agricultural Sciences and Executive Programs, will prepare senior managers to face changes posed by global events. The conference features experts on crisis management, public affairs, bioterrorism and legislative policy. It will address crisis management concerns faced by food producers, food-processing and distribution industries, biotechnology companies and industrial security firms.

Ernest Del Bueno Jr., vice president of Rowan and Blewett Inc., will be a keynote speaker. With more than 20 years as a crisis and public affairs expert, Del Bueno served as public affairs officer for the U.S. Coast Guard during the Exxon Valdez oil spill clean-up. He is the author of an anti-terrorist contingency plan for the Port of New York.

Caren Wilcox, co-keynote speaker for the

seminar, is former deputy undersecretary for food safety for the U.S. Department of Agriculture. She developed strategic response mechanisms before and during critical food-safety emergencies and advised the U.S. secretary of agriculture on many food-safety issues and significant national recalls.

Other speakers will include state Secretary of Agriculture Samuel Hayes; Kelly Johnston, executive vice president for government affairs and communications for the National Food Processors Association; Bobby Richey, director of Food Safety and Technical Services in the Food and Agricultural Services division of the USDA; and Thomas Welgoss, director of risk management for the Massachusetts Turnpike Authority.

To request registration materials and a detailed schedule, call (814) 865-8301, or visit the Office of Conferences and Short Courses World Wide Web site at <http://conferences.cas.psu.edu/>. For information on seminar content, call (814) 863-2847.

Bartholomew Award at the 40th National Seminar of the Intercollegiate Men's Chorus at Purdue University. The award is presented "in recognition of distinguished contributions to the field of men's chorus music." In addition, "Opera.com.edu," a new opera with music by Trinkley and words by **Jason Charnesky**, graduate student in English, was premiered by the University of Evansville Opera Theatre. The Opera Theatre also performed "opera.com.edu" for elementary and high schools in Kentucky and Indiana. "Cleo," a one-act opera by Trinkley and Charnesky, was performed as the featured new work at the National Opera Association Convention in Philadelphia.



News in Brief

MediaTech Technology Expo

University Libraries' Media and Technology Support Services (MediaTech) will hold the 2002 Technology Expo from 11 a.m. to 3 p.m. Tuesday, April 30, in the Tittany Lion Inn Ballroom on the University Park campus.

The event is free to the public. The Technology Expo will showcase technology and audiovisual equipment.

Product vendors and MediaTech staff will be on hand to answer questions and give demonstrations. For information, call (814) 863-4389.

Bus service extended

The University Libraries have purchased extended late-night bus service from CATA to help students and others get back to their residences after late-night study hours.

To accommodate end of the semester study needs, operating hours at Pattee and Paterno Libraries on the University Park campus will be extended until 2 a.m. from Sunday, April 28, through Thursday, May 2.

The additional bus service will run from approximately 12:20 to 2:20 a.m. for the Campus Loop and 12:24 to 2:24 a.m. for the Town Loop. Times are for the Pattee Library stop on Curtin Road. One additional bus will remain in service on each route and will run approximately every 20 minutes. The service remains free for riders.

The move was prompted by concern about the safety of both students and employees working the late-night shifts during study days and finals.

For information on libraries hours, go to <http://www.libraries.psu.edu/hours/special.html#final02>.

For a full bus schedule, go to <http://www.catabus.com> or call (814) 238-2282.

Food study

The food lab needs women, ages 20 to 45, who are not pregnant or lactating, to participate in a study beginning May 13.

Participants will be asked to eat breakfast, lunch and dinner one day a week for six weeks in the lab in Henderson Building on the University Park campus. All meals will be provided and participants will be paid.

For information, call Tanja at (814) 863-8482.

Student aid notifications to be available online

Beginning in June, student-aid award notifications for the 2002-2003 academic year will be available online for returning students from all campus locations via the Student Aid Summary application on eLion. Paper award notifications, mailed to returning students at their home addresses in previous years, no longer will be printed or distributed. Only first-year, transfer, re-enrolled and new graduate students will receive a paper award notification due to the timing of their awards and assignment of a Penn State access account.

Returning students will receive an e-mail message in June at their Penn State e-mail address notifying them that their 2002-2003 Student Financial Aid Award Notification is accessible on eLion at <http://www.elion.psu.edu>.

Sunny perch



Beth Yakich, a freshman microbiology major, found the concrete plaza in front of Pattee Library on the University Park campus to be a warm, comfortable place to do some studying. The semester is rapidly winding down with finals set to begin April 29.

Photo: Julie Brin

OBITUARIES

Walter L. Baker, professor emeritus of engineering in the Applied Research Laboratory, from May 1, 1949, until his retirement Feb. 1, 1982; died Feb. 11. He was 77.

John H. Beebe, research associate in Applied Research Laboratory, from Jan. 1, 1965, until his retirement Aug. 1, 1998; died Feb. 16, at the age of 61.

Minerva M. Frank, table attendant in Hospitality Services, from May 1, 1967, until her retirement June 28, 1986; died Jan. 4, at the age of 78.

L. Peter Gold, professor emeritus of chemistry, died Feb. 13, at the age of 66. Gold earned a bachelor of arts degree, a master of arts degree and a doctorate in chemistry from Harvard University. He completed his post-doctoral work at Columbia University. At Penn State, he was a professor of chemistry for 35 years, retiring last year. He was acting associate dean for the Commonwealth Education Systems and Continuing Education. Gold was the author or co-author of 37 articles in various professional journals.

Violet Grose, tray assembler in College of Medicine, Hershey Medical Center, from Nov. 18, 1974, until her retirement May 1, 1988; died June 3. She was 69.

Sarah L. Lattimer, library assistant in University Libraries, from March 15, 1968, until her retirement April 1, 1985; died Feb. 1. She was 77.

Anna V. Houser, food service worker in Housing and Food Services, from Aug. 1, 1961, until her retirement April 10, 1976; died Feb. 13, at the age of 88.

Thomas M. Hunter, associate professor of history at Penn State Schuylkill, from July 1, 1951, until his retirement July 1, 1970; died Jan. 29, at the age of 86.

Mildred V. Russell, instructor in English at Penn State New Kensington, from Sept. 1, 1968, until his retirement July 1, 1979; died Nov. 4. She was 84.

John S. Wade Jr., associate professor of engineering at Penn State Harrisburg, from Sept. 1, 1971, until his retirement June 30, 1985; died Jan. 31, at the age of 77.

Gordon D. Walker Jr., extension agent in College of Agricultural Sciences, from June 16, 1954, until his retirement Aug. 1, 1991; died Feb. 5. He was 73.

Mary Woolworth, janitorial worker in the Office of Physical Plant, from Sept. 16, 1969, until her retirement Jan. 4, 1984; died Jan. 10, at the age of 78.

Penn College board OKs student housing complex

The design for a two-building, 365-bed addition to the College West student-housing complex at Pennsylvania College of Technology has been approved by the Penn College Board.

The board accepted the plans presented by Murray Associates Architects, Harrisburg. Completion of the addition is expected by the beginning of the fall 2003 semester. The addition will increase the number of beds available in college-operated, on-campus housing to more than 1,400.

The work will be financed by a \$28.5-million-to-\$32-million bond issue that was approved by the Penn College board at its February meeting. The bond issue also will enable the college to renovate the former HON Industries manufacturing facility to accommodate space-restricted majors, refurbish the 89-year-old Klump Academic Center and retrofit four other buildings on the main

campus for additional instructional uses.

The new buildings will be four stories tall, providing a total of 130,000 square feet of additional space. The buildings will feature brick and stucco exteriors and will house two-bedroom, one-bedroom and studio apartment units. The 365 beds include 356 for students, eight for resident assistants and one for a professional staff member.

The college began offering on-campus housing in 1997. Typically, there is a waiting list of several hundred students for spaces in the three on-campus facilities.

In a presentation to the board last fall, Senior Vice President William J. Martin said the number of Penn College students who do not hail from Northcentral Pennsylvania has risen by 55 percent in the past five years, and students increasingly report that finding adequate housing "is a major source of concern."



University Park Calendar

April 26 - May 10

SPECIAL EVENTS

- Saturday, April 27**
Spring family day, 11 a.m. to 1 p.m., Palmer Museum of Art.
- Saturday, May 4**
American Association of University Women's used book sale, 9 a.m. to 9 p.m., Agricultural Arena, through May 7.
- Friday, May 10**
"The Jefferson Suite," gallery talk, by Joyce Robinson, noon, Christoffers Lobby, Palmer Museum of Art.

SEMINARS

- Friday, April 26**
Howard C. Stevenson on "If We Must Die: Managing Hypervulnerability in African American Adolescent Males," 11:30 a.m. to 12:30 p.m., S209 Henderson.
- Mark Styrnar on "Determination of Binding Interactions Between Xenobiotic Chemicals and Soil Humic Material," 3:35 to 4:25 p.m., 101 Agricultural Sciences and Industries.
- Richard M. Whiting on "Coal — The Energy Constant," 4 to 5 p.m., 26 Hosier.
- Monday, April 29**
James Leighton on "Tandem Reactions with Strained Silacycles," 11:15 a.m., S5 Desmond Laboratory.
- Tuesday, April 30**
"Genecology and Family History Resources in the University Libraries," 5 to 7 p.m., 101 Pattee Library.
- Friday, May 3**
David Maughan on "The Role of Phosphorylated Proteins in Myofibril Assembly and Modulation of Contraction in *Drosophila*," 3 to 4 p.m., 127 Noll Physiological Research Center.
- Friday, May 10**
Drew Mencia on "Microchip Separations — Based Sensors for Cellular Analysis," 4 p.m., S5 Desmond Laboratory.



Dan Armstrong, professor of music, directs the Penn State Mallet Ensemble during a dress rehearsal for a concert in the Esber Recital Hall on the University Park campus. This recital hall is used for concerts by numerous groups and individuals throughout the year.

Photo: Annemarie Mounzt

EXHIBITS

- HUB-Robson Center**
"Freedom to Play: The Life and Times of Bas-

ketball's African-American Pioneers," through May 12.

"Hands Across the Sea: Medallic Art from Poland and America," through May 1.

- "Anne Frank: A History for Today," through April 30.
- Handmade Holocaust books by Mount Nittany Middle School eighth-grade students, through April 30.
- Kern Commons exhibition area**
"Images From Our Heritage: Experiences of Penn State Hiller Students in Israel," through May 12.
- "The Nazi Scourge: Postal Evidence of the Holocaust and the Devastation of Europe," through May.
- Palmer Museum of Art**
"Sam Gilliam: Recent Prints," through May 26.
- Digital work by John Paul Caponigro, through June 2.
- "Carrie Mae Weems: Jefferson Suite," through June 9.
- Pattee and Paterno Library exhibit areas**
"Smart Books, Smart Design," through May 3.
- "The Many Realms of King Arthur," through May 10.
- "Legends of King Arthur," through May 31.
- "Playing for Keeps: Keystone Baseball," through July 13.
- "Fred Waring and Sports Figures," through May 31.
- "Cases of Character: Selections from Photographic Case Art in the B. and H. Henisch Photo-History Collection," through July 31.
- Warnock Commons**
"Photographic Ethnobotany: Peruvian Plants and People," photographs by Benjamin Chernel, through May 12.

For a full listing of University Park activities, including sporting events, go to the Web at <http://acc.psu.edu/calenda/>. For a detailed listing of upcoming conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

BOOKSHELF

- Barbara Cantalupo**, associate professor of English at Penn State Lehigh Valley.
Emma Wolf's novel Other Things Being Equal, published by Wayne State University Press.
- Cantalupo edited this re-issue of Emma Wolf's novel, which was first published in 1892 and revised in 1916. The book includes a substantial introduction by Cantalupo in which she re-introduces Wolf and analyzes the social and cultural contexts for her novel.
- Priscilla Ferguson Clement**, professor of history at Penn State Delaware County.
Boyland in America: An Encyclopedia (two volumes), published in 2001 by ABC/CLIO as part of The American Family series.
- Ferguson and Jacqueline S. Reimer, professor emerita of history at California State University-Sacramento, co-edited this book, which includes nearly 150 entries from many scholars throughout the country. The

767-page book picks up with topics that date back as far as the 17th century and follows the development of boys in America through the present day.

Maurie Caitlin Kelly, senior research assistant at the Environmental Resources Research Institute and coordinator/state geographic information systems librarian for the state geospatial data clearinghouse, Pennsylvania Spatial Data Access.

Making the Grade: Academic Libraries and Student Success, published by the Association of College and Research Libraries of the American Library Association.

The book, which was co-edited by Andrea Kross, presents analyses that look at the many factors that can impact student success, such as technological capability, diversity and information literacy. The importance of libraries' partnership with other members of the higher education community in working toward a common goal of student success is examined.

Jeremy F. Plant, professor of public policy and administration at Penn State Harrisburg.
Western Maryland Trackside, Morning Sun Books.

The 128-page hardcover book, co-authored with George M. Leitch, chronicles the last years of the Western Maryland Railroad through more than 200 color photographs taken by Leitch, its vice president-operations. The book is part of an ongoing series documenting American railroading through the eyes of pioneer color photographers.

Jennifer Parker Talwar, assistant professor of sociology at Penn State Lehigh Valley.
Fast Food, Fast Track: Immigrants, Big Business and the American Dream, published by Westview Press.

The book addresses how the fast-food industry works with today's new generation of order-takers, burger-flippers and

basket-fryers who are newly arrived immigrants. For four years, Talwar went behind the counter and listened to immigrant fast-food workers in New York City's ethnic communities. They talked about balancing their low-paying jobs and monotonous daily reality with keeping the faith that these very jobs could be the first step on the path to the American Dream. Talwar shows that contrary to those arguing that the fast-food industry only represents an increasing homogenization of the American work force, fast-food chains in immigrant communities must and do adapt to their surroundings. Rather than focusing on how ethnic communities become relatively sealed off from the larger economy, Talwar explores the interplay between globalizing mainstream forces like fast-food chains and the immigrant communities of the largest and most diverse cities.

Public television celebrates its 50th anniversary

The program vision for national, noncommercial, educational television, what we now know as public television, was established 50 years ago at a national conference at The Nittany Lion Inn on the University Park campus and presided over by then-Penn State President Milton Eisenhower.

This past weekend, several activities were held to commemorate that groundbreaking event.

For more photos from the event, check the Web at http://www.psu.edu/ur/archives/intercom_2002/wpsx



Clifford the Big Red Dog, above, and **Cookie Monster** from "Sesame Street," right, greeted fans in the north end-zone seating area at halftime of the Blue-White game Saturday.



James H. Ryan, vice president for Outreach and Cooperative Extension, second from left; **Ted Krichels**, assistant vice president for Outreach and general manager for Penn State Public Broadcasting; and **Rene Portland**, Lady Lions basketball coach, personally thanked the 17 members of the Penn State Public Broadcasting Board of Representatives for their support of WPSX-TV and Public Broadcasting during a halftime ceremony at the Blue-White football game.



Nancy Thomas, staff assistant in Continuing and Distance Education, above, handed out free Creamery ice cream during an ice cream social featuring characters from PBS television shows. Below, "Mr. McFeely," played by David Newell, was on hand at the event to sign autographs.



Julie S. Cleland, vice chair of the Penn State Public Broadcasting Board of Representatives, was one of several speakers at the groundbreaking ceremony for Outreach Innovation Building, future home of Penn State Public Broadcasting, the World Campus and other University outreach units.



President Graham B. Spanier presented Fred Rogers with a Penn State football, autographed by Coach Joe Paterno.



Photos by
Greg Grieco and
Annmarie Mountz



Private Giving

Leading the Way

The Faculty and Staff Campaign 2002



I've benefited greatly from my education and experiences at Penn State. I chose to support a Renaissance scholarship in memory of my father, Richard B. Weakland Jr., who also was an avid Penn Stater, to ensure that future generations of Penn Staters also can benefit from the wonderful opportunities that the University has to offer. It is important for me to contribute through the faculty and staff campaign so that I can give back to a school that has given me so much, both as a student and as an employee.

— Christine Laur
supervisor of student records, Schreyer Honors College

For information on faculty and staff giving, check the Web at
<http://www.development.psu.edu/WaystoGive/AnnualFund/facultystaff.htm>

Land O' Lakes Foundation donates \$100,000 for building

A \$100,000 gift for the Food Science Building at University Park by the Land O'Lakes Foundation will bring the new College of Agricultural Sciences facility a step closer to reality.

The new Food Science Building will contain state-of-the-art laboratories, classrooms, offices, pilot-scale processing facilities and The Berkey Creamery. It will be located about a block east of the current facility, the 68-year-old Borland Lab, and is estimated to cost \$22 million in combined private, state and University funds. Design for the building began in 2001 and

construction is slated to be completed early in 2005.

Land O'Lakes Foundation is the philanthropic arm of Land O'Lakes Inc., a national food and agricultural cooperative. Previous giving from the foundation includes support for agriculture and athletics.

The University expects to name two prominent areas in the Food Science Building — the "Land O'Lakes Post-Doctoral Work Space" and the "Land O'Lakes Microbial Food Safety Lab" — in honor of the foundation.

Doctoral degree candidate to meet with Nobel laureates

Student Jason Stairs, a doctoral degree candidate in chemistry, has been chosen by the Department of Energy as one of 26 graduate students nationwide to participate in the 52nd Meeting of Nobel Laureates to be held in Lindau, Germany.

The meeting provides an opportunity

for outstanding students to interact with former Nobel Prize winners and other students from around the world in an informal setting. This year's meeting highlights research in chemistry and will involve the participation of more than 20 Nobel laureates and approximately 400 students worldwide.

Stairs is a 1999 graduate of St. Joseph's University in Philadelphia with a bachelor's degree in chemistry. Since then he has worked as a graduate assistant under A. Welford Castleman Jr., Evan Pugh professor of chemistry and physics and Eberly family distinguished chair in science.

College of Medicine program will improve basic health-care access

The Robert Wood Johnson Foundation board of directors has approved \$22.5 million over four years for the reauthorization of the Southern Rural Access Program.

The reauthorization is the second phase of a long-term commitment by the foundation to improve access to basic health care for millions of residents in rural areas of the South who have been identified as having the worst health status in the nation.

The Phase II reauthorization, which came during the foundation's January board of directors meeting, brings the total eight-year investment to \$32.8 million for grant making, technical assistance, administration and evaluation of the program. The program is targeted at geographically concentrated areas of Alabama, Arkansas, Georgia, Louisiana, Mississippi, South Carolina, Texas and West Virginia.

Administered by the Rural Health Policy Center in the College of Medicine at Hershey Medical Center, the program first was authorized in 1997 to increase the supply of providers in underserved areas; strengthen the health-care infrastructure; and build capacity at state and local levels to tackle health-care problems.

To achieve these goals the program focuses on rural health leadership development; recruitment and retention of primary health-care providers; rural health network development; and revolving loan fund development.

A special opportunities fund known as the 21st Century Challenge Fund also makes grant dollars available for small analytical or pilot demonstration projects that support the program's key components.

According to James M. Herman, associate dean of primary care and professor and chair of the Department of Family and Community Medicine, the College of Medicine has been a good home for the Southern Rural Access Program because of its experience in leadership development, primary care infrastructure building and managed care.

Independent assessment of the program by staff at the University of Southern Maine's Edmund S. Muskie School of Public Service found that in Phase I the program had demonstrated highly successful implementation of program components; developed impressive partnerships with a wide range of government, community and philanthropic entities; impacted policy-making; and had secured significant ownership by its stakeholders.

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Awards

Sawyer presented with McMurtry Award

Steven Sawyer, associate professor of information sciences and technology and associate professor of management science and information systems, was the winner of the George J. McMurtry Excellence in Teaching and Learning Award presented at the second annual School of Information Sciences and Technology (IST) awards ceremony.

The award honors the contributions of George J. McMurtry, co-founder of the School of Information Sciences and Technology, associate dean emeritus for administration and planning of the College of

Engineering, and professor emeritus of electrical engineering.

Other members of the IST faculty and staff honored were:

■ Gerald Santoro, Faculty Member of the Year;

■ Stanley Supon, Staff Member of the Year; and

■ Wei-Fan Chen, Teaching Assistant of the Year.

In addition, the Innovations in IST Award was presented to the school's Solutions Institute.

Research and Graduate School honors 4 staffers

Several employees were honored at the fourth annual Research and Graduate School Staff Awards Program.

The 2002 Staff Diversity Award was presented to Sherry Corman, staff assistant in the Graduate Fellowships and Awards Office of the Graduate School; the Staff Innovation Award was awarded to Tracey

Galloway, graduate enrollment assistant in the Graduate Admissions Office, the Staff Leadership Award was given to Judith Burns, manager of administrative services at the Life Sciences Consortium; and the Staff Support Award went to Pauletta Leathers, editorial assistant in the Thesis Office of The Graduate School.

Multicultural Resource Center presents awards

The Multicultural Resource Center honored University faculty/staff and senior students of color during its annual awards reception held recently in Old Main on the University Park campus.

Faculty/staff awards are presented to those who have consistently promoted multiculturalism and demonstrated concern for and sensitivity to the needs of students of color.

Honored were: Shelly Aina, manager, Network and Information Systems, Office of the Vice Provost for Educational Equity; Vicki Fong, manager, Science Engineering and Research Communications, Department of Public Information, University Relations; and John Tippeconnic III, professor, College of Education and director, American Indian Leadership Program.

Prevention efforts recognized at 4 campuses

The Commission for the Prevention of Alcohol, Tobacco and Other Drug Abuse honored four campuses for outstanding prevention initiatives at its annual awards ceremony for best practices.

According to Peggy Lorah, interim director of the Center for Women Students and commission chairperson, each campus was asked to provide the commission with information on its initiatives for the 2001-2002 academic year.

"Based on the information submitted, we selected four campus programs which exemplified best practices in prevention," Lorah said.

The campuses chosen were:

■ **Altoona:** In the category of education and awareness — "Survivor" Orientation Program. This mandatory session for new students is based on the Survivor reality show and promotes social norming messages and provides alcohol, tobacco and other drug prevention information during orientation.

■ **DuBois:** In the category of education and awareness — Boost Alcohol Consciousness Concerning the Health of Uni-

versity Students Programming. Activities included a candlelight vigil, ornament pledge, peer speakers, an ice cream social, alcohol awareness day and information on how to hold healthy and safe holiday parties.

■ **Delaware County:** In the category of normative environment — Social Norming. Students in first year seminar courses designed social marketing materials for use on campus.

■ **University Park:** In the category of education and awareness — Alcohol Poster Project. Kristin Somme, associate professor of art, and her Art 371 (applied communications) class designed posters, which will be exhibited in the HUB-Robson Center at the beginning of the fall semester. In the category of alternative activities — After Fest. A late-night activity held during Central Pennsylvania Festival of the Arts combined music, food and entertainment to prevent high-risk behavior. The event was sponsored by the University Park Campus-Community Partnership (The Partnership), Student Unions and Activities, and the Blue and White Society.

PARTINGS

Director of Industrial Research Office retires

Arthur A. Heim, director of the Industrial Research Office since 1990, retired Dec. 31 with 26 years of service to the University.

Following employment with General Electric and four years in the U.S. Naval Reserves, Heim earned a bachelor's degree in environmental resource management from Penn State.

In 1975, Heim became a counselor in the Veterans Affairs Office at the University providing veterans with financial and career readjustment counseling. From 1976 to 1979, he was a continuing education area representative at Penn State Berks. In 1979, Heim was appointed director of Continuing Education at Penn State Worthington Scranton. In 1984, he

joined the Ben Franklin Technology Center of Central and Northern Pennsylvania Inc. as director of training and new business.

During that time, he completed his master of education in industrial vocational education from the University. Heim served in several interim positions during his career including director of the Pennsylvania Technical Assistance Program and director of Innovation Park at the University. In 1998, he completed his doctoral degree in work-force education and development.

Heim has assumed the position of vice president for economic development with the Chamber of Business and Industry of Centre County.

Head of Internal Audit Department retires

Tony Domin, former head of the Internal Audit Department, retired at the end of March after 24 years working with the University.

Domin earned his bachelor's degree from Penn State in 1960. He first worked for the University from 1965 to 1967 as a senior methods analyst, then left to work in industry for several years. He returned to the University's Audit Department in 1980 to serve



Tony Domin

as senior auditor for computer systems.

Domin earned several promotions, first to audit manager for computer systems. Then, in 1990 Domin accepted the position of audit department head, where he remained until his retirement.

Domin plans to spend more time with friends and family, especially his young grand-

daughter.

Several employees announce retirements

Kay Partenheimer, staff assistant VI in Division of Outreach and Cooperative Extension, from Nov. 3, 1986, to Jan. 16.

Joseph L. Platt, technician A, manufacturing systems laboratory in College of Engineering, from Aug. 30, 1983, to Jan. 16.

Iris Pollack, staff assistant VI at Penn State Abington, from Jan. 19, 1981, to Jan. 1.

Gerald E. Rogers, agronomy technician A in College of Agricultural Sciences, from Sept. 11, 1972, to Dec. 29.

Sonja S. Shawver, staff assistant VI in Office of Corporate Controller, from July 1, 1986, to Jan. 1.

Ward W. Studebaker, unit manager in College of Agricultural Sciences, from Nov. 1, 1968, to Jan. 1.

Rex H. Warland, professor emeritus of rural sociology and sociology in College of Agricultural Sciences, from Aug. 1, 1966, to Jan. 1.

Brent G. Wilson, professor emeritus of art education in College of Arts and Architecture, from June 1, 1974, to Jan. 1.

Michael L. Young, assistant professor of policy and public affairs at Penn State Harrisburg, from Sept. 1, 1980, to Jan. 1.

Eleanor R. Zindler, staff assistant VI in Division of Outreach and Cooperative Extension, from Aug. 25, 1981, to Jan. 1.

COURSES

Health Matters

National Women's Health Week will be observed with three programs presented the week of May 13 in 108 Wartik Building on the University Park campus.

■ "How Women Cope with Stress" (WEL197), noon to 1 p.m. May 13.

■ "Women's Sexuality Across the Lifespan" (WEL280), 1 to 2 p.m. May 14.

■ "Breaking the Silence of Osteoporosis" (WEL091), noon to 1 p.m. May 16. A free bone density screening will be offered in conjunction with the class.

The programs are free to the public. To register online, log on to the Health Matters Web site at <http://www.ohr.psu.edu/health/home.htm>. For information, call (814) 865-3085.



Commencement

Schedule

Continued from page 1

The College of Health and Human Development commencement ceremony scheduled for 9 a.m. Saturday, May 11, in The Bryce Jordan Center.

The commencement schedule follows:

Friday, May 10

■ 3 p.m.: ROTC commissioning ceremony in Schwab Auditorium.

■ 5 p.m.: Schreyer Honors College medals ceremony for graduating seniors in Eisenhower Auditorium.

■ 8 p.m.: The College of Earth and Mineral Sciences commencement ceremony in Eisenhower Auditorium. Margaret Leinen, assistant director of the National Science Foundation for Geoscience, will speak.

■ 8 p.m.: The College of Engineering commencement ceremony in The Bryce Jordan Center. Leslie E. Robertson, lead structural engineer for the World Trade Center, will speak.

Saturday, May 11

■ 9 a.m.: The College of Agricultural Sciences commencement ceremony in Eisenhower Auditorium. Barbara Raphael, vice president of worldwide research and development for Adams Brands, a division of Pfizer Inc., will speak.

■ 9 a.m.: The College of Communications commencement ceremony in Rec Hall. Dick Mallary, senior vice president for Gannett Broadcasting, will speak.

■ 9 a.m.: The College of Health and Human Development commencement ceremony in The Bryce Jordan Center. Morris Dees, chief trial counsel for the Southern Poverty Law Center, will speak and receive an honorary degree.

■ Noon: The College of Arts and Architecture commencement ceremony in Eisenhower Auditorium. James Moeser, chancellor of The University of North Carolina at Chapel Hill and former dean of Penn State's College of Arts and Architecture, will speak.

■ Noon: The College of the Liberal Arts commencement ceremony in The Bryce Jordan Center. Kurt Landgraf, president and chief executive officer of Educational Testing Service, will speak.

■ Noon: The Eberly College of Science commencement ceremony in Rec Hall. Stephen H. Mahle, senior vice president and president of Cardiac Rhythm Management, will speak.

■ 3 p.m.: The College of Education commencement ceremony in Rec Hall. Patricia Morrissey, commissioner of the Administration on Developmental Disabilities in the U.S. Department of Health and Human Services, will speak.

■ 3 p.m.: The Smell College of Business Administration commencement ceremony in The Bryce Jordan Center. Ira M. Lubert, founder of IL Management and chairman of Lubert-Adler Partners, L.P., will speak.

■ 6 p.m.: The Graduate School commencement ceremony in Rec Hall. John Dutton, dean of the College of Earth and Mineral Sciences, will speak.

Allison Kessler can be reached at akessler@psu.edu.

Dees to receive honorary doctorate



Morris Dees

The University will award Morris Dees, chief trial counsel at the Southern Poverty Law Center, an honorary degree at its spring commencement ceremonies.

Dees will receive an honorary doctorate of humane letters from the College of Health and Human Development at 9 a.m. Saturday, May 11, in The Bryce Jordan Center on the University Park campus.

A leader in civil rights and co-founder of the Montgomery, Ala.-based Southern Poverty Law Center, Dees devotes his time to pursuing justice in the courtroom for victims of hate crimes and developing ideas for the center's education projects. Dees' work has helped to establish the Southern Poverty Law Center as a leader in anti-discriminatory litigation and education.

Dees has won a number of awards as a result of his work at the center. Trial Lawyers for public justice named him Trial Lawyer of the Year in 1987. In 1990, he received the Martin Luther King Jr. Memorial Award from the National Education Association. The American Bar Association awarded him with the Young Lawyers Distinguished Service Award, and the American Civil Liberties Union gave him the Roger Baldwin Award. Dees also received the University of Alabama's humanitarian award.

Penn State awards honorary degrees to scholars, performers, artists and practitioners in academic fields, or individuals who have made particularly distinguished contributions to society in areas such as public service, business or government. Dees was nominated by a 15-member faculty committee and approved by President Graham B. Spanier and the Board of Trustees.

ROTC commissioning ceremony to be held May 10

The Reserve Officers Training Corps (ROTC) commissioning ceremony will be held at 3 p.m. Friday, May 10, in Schwab Auditorium on the University Park campus.

Col. Steven Paladini, professor of aerospace studies and ROTC tri-service coordinator, will preside over the ceremony.

John Cahir, vice provost and dean for undergraduate education, also will speak.

Brig. Gen. C. Robert Kehler, director of National Security Space Integration, will be the guest speaker and will

swear in students as new officers in the armed forces.

A 1974 graduate of the Air Force ROTC program at Penn State, Kehler now commands the largest wing in the country with a work force of more than 5,000 people who provide missile warning and space control for combat forces and the national command authorities of the United States and Canada.

The general is a distinguished graduate of missile operational readiness training and has held a number of missile crew, instructor, evaluator and key staff positions.

Schreyer Honors Scholars to be honored at medals ceremony

The Schreyer Honors College will hold a medals commencement ceremony for more than 300 graduates who have successfully completed the requirements to earn an honors diploma at 5 p.m. Friday, May 10, in Eisenhower Auditorium on the University Park campus.

The honors graduates will receive a medallion designed by John A. Cook, professor emeritus of art in the College of Arts and Architecture. President Graham B. Spanier will present the medals, assisted by Rodney Erickson, provost and executive vice president; John Cahir, dean of the Office of Undergraduate Educa-

tion; and Cheryl Achterberg, dean of the Schreyer Honors College.

Three student awards will be presented during the ceremony.

The Paul Axt Prize recognizes a Schreyer Scholar who has seized the opportunities offered by the University and the Honors College to create an undergraduate education notable for both its breadth and depth.

The Schreyer Honors College Mission Award is awarded to a Schreyer Scholar who best exemplifies the mission of the Honors College — academic excellence, internationalization and service leadership.

The Dean's Award for Research

Achievement honors a graduating Schreyer Scholar who has accomplished a single, extraordinary research achievement. The award honors work of high quality, outstanding intellectual value, creativity, commitment and significance.

A reception and open house will be held in Atherton Hall immediately following the ceremony.

The next class of scholars will be recognized at a ceremony at 7 p.m. Friday, Aug. 2, at The Nittany Lion Inn.

Fall graduates will be honored at 4 p.m. Friday, Dec. 20, at The Penn State Conference Center Hotel.



Focus on Research

Weed reveals plant-pollination secrets

By BARBARA KENNEDY
College of Science

The research group of Andy Stephenson, professor of biology, recently has begun studying the horse-nettle plant, a major weed in agricultural fields in Pennsylvania and other states, which is in the same "Solanaeae" family as tomato, potato, eggplant, tobacco and petunia plants.

"Horse nettle is a particularly damaging weed because any pesticides that kill the weed also kill the economically important plants in the Solanaeae family," Stephenson said.

Until the Stephenson group began its research, the horse nettle was thought to be unable to fertilize itself — an unusual trait for a weed. "We have found evidence that after 20 to 40 flowers on a horse-nettle plant have failed to set fruit because there is no pollen around from other plants of its species, the plant does become partially able to pollinate itself," Stephenson said. "The plant's first several clusters of flowers appear to strongly reject that plant's own pollen; however, if those flowers do not produce any fruits the plant will begin to make just a few fruits by self-pollination that have a relatively small number of seeds. If there continues to not 'cross' pollen around from other horse-nettle

plants, more and more fruits will form with more and more seeds as a result of self-pollination."

The group uses its electric toothbrush — modified by replacing the brush with a flower-support loop — to remove pollen from the flowers and collect it in miniature test tubes made from half a pharmaceutical gel cap. "The electric toothbrush vibrates at the same frequency as the wings of a bee that is shaking pollen out of these flowers," Stephenson explained. The researchers are selectively pollinating their 30 sets of horse-nettle plants — each group genetically identical to one of the 30 wild parent plants they collected from fields near the University — by dipping the female parts of the flowers into the miniature test tubes to coat them with a particular plant's pollen.

A plant that cannot fertilize itself recognizes its own pollen cells as "incompatible" and uses biochemical means to prevent them from growing — thereby preventing the plant from making seeds containing the pollen's

genes. "We are studying how plants naturally control inbreeding by looking at the molecular, genetic, population and environmental factors that affect the growth of the pollen tube during the fertilization process," Stephenson said. "The horse nettle is a particularly useful species for these studies."

The University's Teh-Hui Kao, professor of biochemistry and molecular biology, is one of the worldwide leaders in fertilization molecular biology in the entire family of plants that includes the horse nettle. "By making use of the molecular biology that Teh-Hui Kao already has worked out, we now have more time and resources to focus on the ecological and evolutionary questions we really want to answer concerning mating and breeding systems in these plants," Stephenson explained.

"We hope to answer such questions as what are the conse-



Steve Travers, a postdoctoral scholar in the research group headed by Andy Stephenson, professor of biology, uses a modified electric toothbrush to harvest pollen from flowers growing in the Buckhott Greenhouses on the University Park campus.

Photo: Greg Grieco

quences of inbreeding, what effects does the environment have on the breakdown of self-incompatibility, what can we do to overcome those environmental factors, and what are the genes that modify the strength of incompatibility," Stephenson said. "Mostly I'm interested in how plants regulate which pollen grains actually achieve fertilization and what impact does that selection process have for the genetics and the evolution of a plant species."

"One important reason to study this plant is to learn how to control it, especially since it is becoming an increasingly prevalent pest in Pennsylvania," he said.

Stephenson said he also hopes his team's research with the horse nettle will help to reveal how to control other invasive species of native and non-native plants, and will develop new knowledge about the basic biology of the interactions between plant cells during fertilization that could benefit breeders of hybrid crops.

Barbara Kennedy can be reached at bkk1@psu.edu.

FROM THE EXPERTS

Groundwater expert urges people to take drought seriously

As the drought of 2001-2002 worsens, a water resources extension specialist in the College of Agricultural Sciences worries that people are not taking a critical situation seriously.

"So far, this has been an invisible drought," said Bryan Swistock. "It has been a water supply drought — in much of Pennsylvania, the really dry weather started last fall after the growing season was over. Wells are going dry across the state. In many places, we have a groundwater crisis. But they can't see groundwater, so most people aren't concerned."

"People really need to begin conserving water. Groundwater levels are so low that a rainstorm or two won't make much of a difference. But rain changes people's perception. Even if the rain makes no difference in the water situation, people let down their guard. That's the biggest hurdle we face — people no longer take drought seriously."

Swistock pointed out that groundwater levels under much of the state never recovered from the drought of 1999. "Unless we get considerably more than average precipitation in a short time — between now and early May — this drought will be worse on a water-supply basis than the drought of '99," he said.

In Pennsylvania, average precipitation over the year averages to just over 3 inches a month. "But my sense is that we will need considerably more than that to end this drought," he said.

Swistock offers these suggestions to save water:

- Replacing an old toilet with a new .5 gallon-per-flush model could save a typical household from 7,900 to 21,700 gallons of water per year;

- Placing a plastic jug filled with water or small rocks in older toilet tanks can cut down on the amount of water needed for each flush and save more than 1,000 gallons per year;

- Repairing dripping faucets and leaking toilets can save more than 10 gallons of water per person per day. A faucet dripping at one drop per second wastes 2,700 gallons per year.

- Wash clothes and dishes only when you have a full load. When replacing an older machine, consider high-efficiency models, which use an average of 30 percent less water and 40 percent to 50 percent less energy, saving about nine gallons per washing machine cycle and 7.5 gallons per dishwasher cycle; and

- Installing a water-efficient showerhead can save one to 7.5 gallons per minute. Taking a quicker shower can save an average of 20 gallons of water.

Department of Public Information
312 Old Main, University Park,
PA 16802

Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Golf pro breaks Guinness World Record

Christopher Cain plays 505 holes in 12 hours to raise thousands of dollars for charity

Christopher Cain, the PGA head golf professional at the Penn State Golf Courses, broke the Guinness World Record for the most golf holes played in 12 hours on April 17. Cain played a total of 505 holes, shattering the old record of 476.

Cain finished his 477th hole at 11 hours 14 minutes and 39 seconds, which was more than 45 minutes ahead of Brannan Robertson of Sarasota Fla., who held the old record of 476. He continued to play and reached his goal of 500 at the 11:47:59 mark. Cain played a five-hole loop on the Penn State White Course and averaged roughly seven minutes per loop for the entire 12-hour period.

More important than the Guinness record attempt was Cain's desire to raise contributions for the Second Mile Foundation and the Professional Golf Management Student Society (PGMSS). The Second Mile, founded by former Penn State football defensive coordinator Jerry Sandusky, annually benefits nearly 100,000 at-risk youth. The PGMSS, for which Cain serves as a mentor, helps shape future golf professionals.

The goal was to raise \$50,000 for the charities. As of the press time, the amount raised was still being determined.

"Yesterday I felt like I could get the record, but I did not think I could reach 500. Once I surpassed the record I got a third wind. I also knew that the more holes I played the more we raised. If that is not motivation I don't know what is," Cain said.



Brett Harfield, a marketing major, kept count of the rounds played and the time needed for Christopher Cain to stay on his world-record pace.

ed the PGA National Golf Club in January, where he took a fitness assessment test in order to develop a training program for the 90 miles he would have to cover during the event. Cain is an accomplished golfer, tying the Penn State White Course record of 63 in May 2001.

Penn State is not new to the Guinness World Record, as the



Christopher Cain runs to the green to make his putt. The Penn State golf pro broke the old Guinness World Record of 476 holes in just over 11 hours, and completed his 500th hole at just under 11 hours, 48 minutes. He averaged seven minutes per five-hole loop, and covered roughly 90 miles of ground during his 12-hour extravaganza.

Photos: Greg Gneco



He's not really going that fast, but it seemed that way as Christopher Cain, in the passenger seat, was driven from hole to hole in his quest to break the Guinness Book of World Records mark for most golf holes played in a single day. Cain's 505 holes played in a 12-hour period shattered the old mark of 476.

mark once belonged to another Happy Valley resident. Doug Wert, general manager/director of Penn State's golf courses, held the record when played 440 holes in 12 hours in June 1993. That record stood until 2000.

Donations still can be made per hole or lump sum. To do so, e-mail Cain at cpcl08@psu.edu or call (814) 863-0254 or 863-0257. More information can be found at <http://www.psu.edu/golfcourses>.



Intercom

INFORMING THE PENN STATE COMMUNITY

MAY 9, 2002

Tuition Task Force report calls for new tuition model

The University's Tuition Task Force recently completed 10 months of work with a report that calls for phasing in larger tuition increases beginning with the incoming freshman classes in 2003 and 2004.

Current students would avoid a portion of the increase.

The report also suggests a greater differential between upper- and lower-division students and an increased differ-

ential between the University Park campus and the University's other locations.

The Task Force was appointed in July 2001 by President Graham B. Spanier to recommend a framework for tuition in the future. Rodney Erickson, executive vice president and provost, chaired the committee and presented its findings to the University Faculty Senate.

"In every comparative study undertaken, Penn State is significantly underfunded relative to its peers within Pennsylvania and across the country," Erickson said. "While no one likes a solution that raises tuition, if the University is going to remain a premier institution we simply must gen-

Tuition, page 3

THE HISTORIES OF PENN STATE

Industry-driven beginnings

Penn State Wilkes-Barre celebrates 86 years of excellence

Editor's note: Most people know the history of Penn State as that of a school chartered in 1855 at the request of the Pennsylvania State Agricultural Society to apply scientific principles to farming. Since that time, Penn State has grown from that one campus at University Park to 24 locations statewide, and each of those other locations has its own special history. What follows is the story of one of those locations.

BY DEBRA GILDEA
Penn State Wilkes-Barre

In May of 1915, two Penn State graduates, reacting to the needs of the anthracite mining industry, proposed the development of a Penn State Engineering Center in Wilkes-Barre. "King Coal" reigned supreme at that time in the Wyoming Valley and engineers were needed to improve mining methods and worker safety.

The response from local citizens and civic organizations was overwhelming, and on Nov. 7, 1916, evening classes for 150 students began in what is now Coughlin High School. The new Penn State Department of Engineering Extension offered courses in advanced mathematics, surveying, reinforced concrete and mechanics.

By 1923, three-year certificate programs were added in mechanical, electri-



This archive photo shows surveying students in the early days of the program which began in 1957.

cal, civil and mining engineering and later, three-year courses in aeronautical and textile engineering and a two-year course in

air-conditioning were added.

During the years spanning World War

History, page 2

Barron tapped as dean of Earth and Mineral Sciences

Eric J. Barron, current director of the Earth and Mineral Sciences (EMS) Environment Institute and distinguished professor of geosciences, has been recommended as the new dean for the College of Earth and Mineral Sciences. His appointment will be effective July 1 pending approval by the Board of Trustees at its May 10 meeting.



Eric J. Barron

Dean, page 2

Sandra Spanier tapped for Hemingway project

BY AMY NEIL
Public Information

A long-term project has begun to publish the complete letters of Ernest Hemingway. The project, a cooperative venture of the Ernest Hemingway Foundation, Hemingway's family and Penn State, will be directed by general editor Sandra Spanier, associate professor of English at the University.

Spanier will be responsible for editing

Hemingway, page 7

History

Continued from page 1

II, the school, then known as The Pennsylvania State College Wilkes-Barre Technical School Center, offered tuition-free, government-sponsored courses to train women and older men to replace the younger men in industry who joined the war effort. The non-credit courses trained workers already in war production to take over more highly skilled jobs.

Women took courses to help in the production of war materials.

Until 1947, all of the courses were offered exclusively in the evening. But, due to the persistent requests of returning veterans who wanted to earn a degree more quickly, four day-courses were initiated. The courses (business administration, building construction, industrial electricity, and mechanical and production tool design) were approved by the Veterans Administration under the "On-the-Job-Training" provisions of the G.I. Bill of Rights. Much of the success of the school can be attributed to the flexibility of its offerings. Programs were added and removed as demand directed.

Each passing year brought more change and growth to the school. In 1949, the Engineers' Council for Professional Development recognized the engineering courses taught at the institute with accreditation. Then, during the 1953-54 academic year, the two-year program leading to an associate degree in engineering began. Thirty-nine students completed this program and were the first in the University to receive their associate degree in engineering. In 1957, the two-year Surveying Technology program was approved, the only one of its type in Pennsylvania. Today



Hayfield House, shown above in an undated archive photo and at right as it looks today, once was the summer home of John and Bertha Conyngham. The building now houses offices and classrooms.

Penn State Wilkes-Barre is the only location in the commonwealth offering a baccalaureate degree in surveying.

In 1950, needing more space, the school moved its classes to the Guthrie Building in Wilkes-Barre. There it remained until the mid-1960s when Richard and Helen Robinson of Connecticut gave Hayfield House and the surrounding farm property in Lehman to the University. Valued at approximately \$1 million, Hayfield House was built by coal baron John N. Conyngham and his wife Bertha in the early 1930s. The mansion was converted into administrative offices and classrooms.

The property's former 19-car garage now houses the Student Commons and bookstore. A 15-acre arboretum displays a wide variety of trees and shrubs, some imported from Europe.

Most of the original furnishings are gone from Hayfield House, but visitors still can enjoy the magnificent architectural aspects of the building and the unique characteristics of each room.

The Conynghams spent about four months each year at Hayfield Farm. They



raised Highland cattle, Clydesdale horses, Chester White pigs, sheep and a variety of unusual animals, including buffalo and Sardinian donkeys. In addition to traditional vegetables and fruits, the farm also produced large amounts of hay and corn.

During the years it took to turn Hayfield House into administrative offices and classrooms, a new building housing five classrooms was erected. Here, drafting and architectural classes were conducted until the Center for Technology was built

Wilkes-Barre at a glance

- Mary E. Hines, campus executive officer
- 55-acre campus in Lehman
- Student enrollment of 898
- 39 fulltime and 66 part-time faculty members
- Student/faculty ratio of 15 to 1
- First two years of about 160 Penn State majors
- Complete five bachelor's and six associate degrees
- Professional development programs
- Eight varsity sports
- 20 student clubs and organizations

in 1990. In time, the library was expanded and other buildings were built to meet student needs.

Now a member campus of the Commonwealth College, Penn State Wilkes-Barre continues to grow in academic offerings and locations. Last year, the Kingston Center opened in a local middle school, for students seeking a two- or four-year business or liberal arts degree in an evening format.

Dean

Continued from page 1

Barron will succeed John A. Dutton, who is retiring after 16 years at the helm of the college.

"After an extensive national search, we found the perfect candidate to lead the College of Earth and Mineral Sciences from among its own distinguished faculty," said Rodney A. Erickson, executive vice president and provost of the University. "People living in every corner of the globe are affected by issues of materials, energy, environment and the earth sciences, and future professionals in these disciplines demand the latest skills and knowledge to better understand our planet and its resources for the benefit of current and future generations.

"Eric's track record as an accomplished educator, researcher, administrator and internationally recognized scholar uniquely qualify him to guide the college's development in the coming years."

Barron joined the faculty in 1986 as direc-

tor of the Earth System Science Center and associate professor of geosciences. He earned the rank of professor in 1989 and has directed the EMS Environment Institute, an interdisciplinary environmental research catalyst at the University, since 1998. During this period, he received the EMS Wilson Awards for both teaching and research.

Barron came to the University after one year on the faculty at the University of Miami. Before that, he was a scientist in the climate section of the National Center for Atmospheric Research in Boulder, Colo., from 1981 to 1985.

As dean, Barron will be charged with continuing the college's tradition of excellence as a national leader in the earth and energy sciences and materials research and education. Research expenditures in the college totaled more than \$42 million in 2000-01, and its academic programs have been consistently positioned at or near the top of

most national rankings, including those by the National Research Council and *U.S. News and World Report*. Significant curricular and advising initiatives in recent years have further boosted the quality of education offered by the college.

Among these new programs is the EMS Environment Institute, directed by Barron since its founding in 1998. The mission of the institute is to promote interaction among faculty and students with the diverse expertise needed to address environmental issues. It is designed to act as a catalyst for the college and University in environmental research, provide leadership in new areas of innovative and interdisciplinary research and education, and develop initiatives or centers that focus on compelling scientific, social and engineering issues and problems that require varied expertise.

Barron's expertise in the areas of climate, environmental change and oceanography, among other earth science topics,

has led to extensive service for the federal government and international community. Since 1988, he has served as a panelist or adviser for agencies including the National Science Foundation, the National Aeronautics and Space Administration (NASA) and the National Oceanic and Atmospheric Administration (NOAA) on various earth science projects. Barron has been an active participant in committees and panels of the National Research Council, and currently serves as the chair of the Board on Atmospheric Sciences and Climate. He also has testified before the U.S. Senate and House of Representatives on topics such as climate change, global warming and budgeting for NASA and NOAA.

Barron earned a baccalaureate degree in geology from Florida State University in 1973, and received master's (1976) and doctoral (1980) degrees in oceanography from the University of Miami.

Tuition

Continued from page 1

erate additional revenue to narrow the gap that exists between Penn State and its competitors. We believe this approach is the most equitable, since it will give new students more than a year to prepare for the change, and will moderate the increases that current students would see."

The report was released as Penn State faces a proposed \$17 million permanent budget reduction from the state for next year. That proposed reduction follows a \$10 million mid-year rescission in the current year. The report points out that Penn State receives less money per student than any other public university in Pennsylvania and less than any other Big Ten institution.

Spanier noted that Penn State is one of the most efficient universities in the nation, and that the University has internally cut and recycled more than \$87 million over the past 10 years.

"We simply can't cut our way to quality," said Spanier. "To move the University forward and to ensure the very best education for our students, we need a new funding model, and that is what this report provides."

Under the plan proposed by the Task Force, students in the fall of 2002 all would receive the same percentage increase. Beginning with in the fall of 2003, differential tuition levels would be implemented by student level and by location, as follows:

- Incoming freshmen would receive a higher increase in 2003-04 and again as sophomores in 2004-05, with incoming freshmen in 2004-05 also paying this higher rate.

- The existing differential for upper division and graduate students would be increased over two years.

- University Park students would receive higher increases than students at other locations.

The report proposes that University Park freshmen pay an additional \$400 to \$600 over the base tuition for returning students in fall 2003, with a similar increase also applying in the fall of 2004. Freshmen at other locations would see an additional increment on top of the base tuition in the \$50 to \$100 range each of these years.

The differential between upper and lower division students is recommended to increase at all campus locations by \$180 in each of the 2003 and 2004 years.

Tuition rates for fall 2002, which are unaffected by this report, will be set by the University's Board of Trustees at the July meeting.

The Task Force recommends adding \$1 million to the University's financial aid pool to help offset the tuition increases, and to add an additional \$1 million in each of the next five years. Approximately three-fourths of all Penn State students currently receive some sort of financial aid.

Last year Penn State students received more than \$482 million in financial assistance from federal, state and University sources including scholarships, grants and loans. Spanier has said that no student should be excluded from Penn State due to a lack of personal financial resources.

The full report is available on the University's Web Page at <http://www.budget.psu.edu/tuition>.

Beverly Lindsay, dean of the University Office of International Programs, announces resignation

Dr. Beverly Lindsay, Dean of the University Office of International Programs, has announced her resignation effective October 1, 2002. Dr. Lindsay will begin a sabbatical leave on July 1 and continue through Fall Semester, during which she will be involved with international and domestic program development with organizations in Washington, D.C.

Effective January 1, 2003, Dr. Lindsay will assume her position as Professor of Higher Education and Educational Theory and Policy in the College of Education.

In her role as Dean, Dr. Lindsay had responsibility for several units including International Education and Program Studies, International Students and Scholars, International Partnerships and Academic Linkages, and the Institute for International Education and Policy Research.

During the time Dr. Lindsay served as Dean, international



Beverly Lindsay

student enrollments at Penn State increased and the number of Penn State students participating in international experiences including Study Abroad doubled. Extramural funding was also secured to support initiatives of the Institute for International Education and Policy Research, which Dr. Lindsay created. She launched a new publication, *International Mosaic*, which highlighted Penn State faculty and student involvement in international affairs and programs. Dr. Lindsay's office was responsible for program coordination with overseas partner institutions, and Dr. Lindsay traveled extensively in that capacity.

Dr. Lindsay was a member of Penn State's Academic Leadership Council and Provost's Staff. In addition, she chaired the Strategic Planning Committee for International Affairs of the National Association of State Universities and Land Grant Colleges.

After 29 years as a student, Craig has her doctorate

By GARY CRAMER
Public Information

When Susan C. Craig receives her doctoral degree in administration of justice on May 11, she will do so not just with the satisfaction of graduating from Penn State at the same time as her youngest child, but also with the priceless joy of not getting another tuition bill for herself for the first time since 1973.

Craig, 57, is program chair of Kaplan College's Online School of Criminal Justice in Boca Raton, Fla. She said she has been continuously enrolled at Penn State for what could be a record-breaking 29 years. Along the way to her doctoral degree, she worked in a handful of University offices, raised five children who all attended the University and earned her associate's degree in letters, arts and sciences in 1982; bachelor's degree in individual and family studies in 1987; and master's degree in counseling education in 1991.

"I want to say 'thank you' to Penn State and to the many who encouraged me along the way," Craig recently wrote to President Graham B. Spanier. "A staff member of the Registrar's Office told me in 1992 that I had the longest record of continuous enrollment back then. Since I have remained enrolled, I have to assume that I still hold the record. However, I am pleased that I will not be paying tuition after Spring 2002, more so than holding this record."

Some 10 years before beginning her affiliation with Penn State, Craig, a native of Indiana, Pa., and the youngest of six children, studied business at Robert Morris College, in suburban Pittsburgh, but did not earn a degree there. Her father was judge of Indiana County for 20 years, which she said led to her interest in the criminal justice system, as well as chances to "play" in the courtroom.

She first registered for a pilot project Penn State Distance Education course that was delivered by computer in 1973, and went on to complete 21 credits through Distance Education. At the time, she and her first husband, now deceased, owned and managed the Craig Motel on U.S. Route 220 in Centre County. Later, she became a full-time University staff member and enrolled as a part-time student.

"My goal was to provide my children with an education," she said of the 17 years that she worked for University offices in the College of Health and Human Development, College of



Susan Craig

Engineering, Student Aid, Graduate School, Center for Academic Computing and College of the Liberal Arts. "My eldest became a freshman in 1982. My youngest, Chad, will graduate the same day as I do with a bachelor's degree in psychology, and that will make three of my children who ended up earning a degree from here. Chad starts medical school in the fall. It is very exciting to me for us to graduate together, as it ends an era for me."

Besides her youngest, she expects at least two of her other children and a handful of other family members to see her cross the Rec Hall stage on May 11.

Craig's research for her dissertation focused on women in prison. The co-chairs for her dissertation committee were Alan Block professor of Jewish studies and of crime, law and justice;

and John Kramer, professor of sociology and crime, law and justice. During her studies, she spent a year working at a State Correctional Institution in order to learn more about the family dynamics of women in prison; what happens to their children on the outside; and the administrative structures of prisons.

"She really exemplifies the notion of education and its place in workforce development, and the concept of lifetime learning," said Eva J. Pell, vice president for research and dean of The Graduate School. "Clearly, by being a student for so many years, her education was a constant benefit to the many positions she has held."

Among other experiences, Craig also has been a census taker, management information systems coordinator for Women in Distress of Broward County Inc., in Florida, an instructor for classes in Penn State's Administration of Justice program from 1995 to 1998, and holder of various counseling, consultant and volunteer positions with the University and Pennsylvania prisons.

"Now I enjoy encouraging other adults to go back to school if they want to — to let them know it is possible," she said.

Penn State University Park will hold commencement ceremonies for approximately 6,222 associate, baccalaureate and graduate degree students the weekend of May 10-11. The Graduate School ceremony will be held at 6pm. May 11 in Rec Hall for approximately 729 master's, and 226 doctoral degree students. Systemwide, Penn State expects 8,931 students to graduate from its 24 locations.

Gary Cramer can be reached at gwc104@psu.edu.



News in Brief

Blood drives

A number of blood drives have been scheduled for May and June on the University Park campus.

The schedule follows:

May 10: 9 a.m. to 3 p.m. at the Material Research Laboratory. Appointments are required. Call Joanne at (814) 85-2896 or e-mail jam28@psu.edu.

May 21: 9 a.m. to 3 p.m. at The Bryce Jordan Center, south gym annex. Call Kaye at (814) 863-3681 or e-mail lomc1@psu.edu.

May 22: 9 a.m. to 3 p.m. at the Office of Physical Plant building, Call Renee at (814) 863-2340 or e-mail rlm34@psu.edu.

May 23: 10 a.m. to 4 p.m. at 101 and 103 Walker Building. Call Mandy at (814) 865-482 or e-mail amr93@psu.edu.

May 23: 9 a.m. to 3 p.m. at Nittany Deck. Appointments are required. Call Melissa at (814) 863-0449.

May 24: 10 a.m. to 4 p.m. at The Nittany Lion Inn. Call Smiley at (814) 865-8581 or jib2@psu.edu.

June 5: 10 a.m. to 4 p.m. at Alumni Hall in the HUB-Robeson Center. Call (814) 237-3162 or e-mail keelerw@usarecdross.org.

Deadline extended

The deadline for applying to the Commission for Women's 2002-2003 Mentoring Program has been extended to May 17.

This program is an opportunity to build professional networks and gain an enhanced understanding of the University. Applications can be found at <http://www.ions.psu.edu/cfu>

FastStart applications available

FastStart, a mentoring and career networking program for first-year students sponsored by the Alumni Association and the Paul Robeson Cultural Center, is accepting applications for faculty, staff and alumni mentors.

While the program was designed to welcome diverse students, it is open to any first-year student and all interested faculty, staff and alumni.

FastStart creates a mentoring triad of a faculty/staff member, alumni and student. Participants set their own parameters for involvement. Mentors are asked to help their



Auctioneer Ron Gilligan Sr. listens to the bidding at the annual salvage auction held recently on the University Park campus. Equipment and unclaimed bicycles were among the merchandise that crossed the block.

Photo: Greg Grieco

student by providing advice, referring the student to available resources within the University and the community, and by being a friend.

The annual program begins at the start of the academic year. Applications can be picked up at the FastStart office located at 17 HUB-Robeson Center, by calling Lydia Hanhardt at (814) 863-6386 or e-mailing lbh10@psu.edu. More information can be found at <http://www.alumni.psu.edu/faststart>.

Chronic anxiety study

The Stress and Anxiety Disorder Institute at University Park is conducting an ongoing therapy study for people with chronic anxiety and worry.

The program offers free therapy to individuals who are between the ages of 18 and 65 who have experienced excessive, uncontrollable worry or anxiety for at least six months, and who also experience muscle tension, restlessness, difficulty concentrating, sleep disturbance, irritability or feeling

keyed-up. The program does not involve medications.

Interested individuals can call (814) 865-8201 for a free consultation.

Absence policy reminder

Faculty and students are reminded of the University's policy regarding students' requests for absence from class for the purpose of observing a religious holiday. The University Faculty Senate Policy on Class Attendance (42-27) states that instructors should provide, within reason, opportunity to make up work for students who are obliged to miss classes for legitimate reasons.

As further clarification, Academic Administrative Policy on Religious Holidays (R-4) states that while the University makes every effort to avoid conflicts with religious holidays, in which conflicts are unavoidable, the policy is to try and make special arrangements for the student affected. *The Faculty Handbook* states that "Faculty members are encouraged to entertain requests for exemptions from class attendance for purposes of religious observances."

In consultation with campus and community religious leaders, the Center for Ethics and Religious Affairs has compiled a listing of those holy days of the major world religions for which observance may require a student to depart from his or her normal routine at the University.

Only those holy days which occur when classes are in session are included. The list is available on the Web at <http://www.sa.psu.edu/cera/reloah.html>.

Portal gets new name

This week, Penn State unveiled a new name for its Web portal — and along with it, a selection of enhanced digital services for the entire Penn State community. The new name, "We Are — Penn State Portal," reflects the portal's theme as a Web-based community resource that students, faculty and staff are literally creating for themselves, according to Jim Leous, portal project team manager.

Using a Penn State Access Account "userid" (user ID) and password to access the portal at <http://portal.psu.edu/>, users can set up a personalized view of University events and services. Students, staff and faculty interested in providing content for the portal, or those with questions can e-mail portal-feedback@psu.edu or review the "Tools for Content Providers" section of the Penn State Portal Project Web site at <http://www.psu.edu/portalproject/>.

Special Olympics

There still is a need for hundreds of volunteers for The Special Olympics Pennsylvania 2002 Summer Games, to be held June 6, 7 and 8 on the University Park campus.

The success of the games is dependent on 2,500 volunteers in many different areas.

Special Olympics Pennsylvania organizers ask that community and University volunteers get involved as support or sports volunteers. To pre-register, or for more information about this summer's games, call (800) 865-3600 or e-mail Bob and Maureen Dunham at rbd1@psu.edu. For information about Special Olympics Pennsylvania, check the Web at <http://www.paso.org/>.

Child-support enforcement staff to be trained at University thanks to \$10.85 million grant

This year the University will launch a new program to support Pennsylvania's efforts to enforce and secure financial and medical resources for children and youth who are entitled to receive child support.

The University has just been awarded a three-year, \$10.85 million contract with the state Department of Public Welfare, Bureau of Child Support Enforcement, to create a training institute that will provide instruction and training on Pennsylvania's Title IV-D Child Support Enforcement Program to staff and

administrators from state and county child-support enforcement agencies.

The new Pennsylvania Child Support Enforcement Training Institute will be co-directed by Jennifer Mastrosfio, associate professor of administration of justice for the Justice and Safety Institute, and Roy H. McCullagh, director of the Work Force Development Resource Center. Wesley E. Donahue, director of Management Development Programs and Services, will collaborate by developing the curriculum for the institute's training initiative.

Don Zettlemoyer, director of the Justice and Safety Institute, serves as project principal.

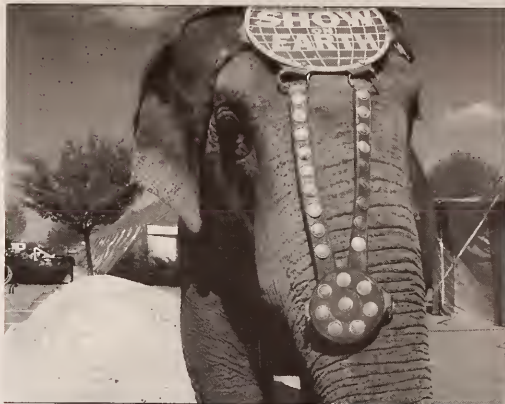
According to Zettlemoyer, the institute will develop the curriculum and provide logistical support, including the assignment of faculty to teach programs at locations throughout the state. The institute is a collaborative effort involving the Justice and Safety Institute, the Work Force Development Resource Center, Management Development Programs and Services and Outreach Information Systems.

The initial training will involve approxi-

mately 2,400 administrative, professional, legal and front-line staff from across the commonwealth. Following the initial training offerings, more than 500 child-support enforcement staff will participate in the institute annually.

Faculty from the partnering units as well as new faculty in the Child Support Enforcement Training Institute will deliver statewide training programs at three permanent facilities and two remote sites. Plans also include the development of Web-based training modules.

She works for peanuts



Asia the elephant, a performer in the Ringling Bros. and Barnum & Bailey three-ring circus, decided to get up close and personal with the photographer while the show was at University Park. The circus presented several shows over a four-day period at The Bryce Jordan Center. For more photos, go to http://www.psu.edu/ur/archives/intercom_2002/circus/.

Photo: Annemarie Mountz

Search begins for director of ARL

Nominations and applications are sought for the position of director of the Applied Research Laboratory (ARL).

The director reports to the vice president for research and is responsible for directing ARL's efforts in a balanced and mutually supportive way in conformance with the policy and mission of the University, and the research and development requirements of ARL's sponsors, primarily the U.S. Navy.

The laboratory's mission includes the performance of basic and applied research, and exploratory and advanced development in support of Navy technology base and systems development programs, with leadership roles in undersea systems, fluids and structural mechanics, information and network systems, materials and manufacturing, electro-optics, navigation, drivetrain technology and emerging defense technologies.

Specific responsibilities include:

- Account for the quality and productivity of all programs; approve and monitor the annual budget; develop laboratory goals and long-range plans; promote the scholarly activities and professional development of the faculty and staff; and maintain an effective organizational structure with modern management practices.

- Interface and collaborate with University colleges, consortia/institutes, graduate and undergraduate programs, and research units to advance the research, education and serv-

ice mission of the University.

- Foster the transfer of advanced technologies, manufacturing processes and training to industrial and governmental sectors for improved productivity and economic growth.

- Interact with federal and state government legislators and agencies, military officials and industry regarding ARL strategies and capabilities.

- In addition to University Park facilities, oversee ARL's field offices located in Warminster, Keyport, Wash., and Washington, D.C.

The successful candidate should have a doctoral degree, a demonstrated record of achievement and commitment to the scholarship of research, teaching and service. The ability to lead in a multi-faceted and complex organization and proven experience as an effective administrator are essential.

The search will be internal to the University. Applications or nominations should be sent via e-mail to vxi2@psu.edu or mail a diskette to: Carlo Pantano, chair, ARL Director Search Committee, 304 Old Main, University Park, PA 16802.

Applications should include a cover letter, curriculum vitae, and names and contact information (mailing address, daytime telephone and e-mail address) of three individuals for professional references.

Review of applications will begin May 21 and will continue until a qualified applicant is hired.

Trash to Treasure sale features items departing students left behind

By TRACY WEAVER
Housing and Foods

This year, students living on-campus will have the opportunity to give something back to the State College community by donating unwanted, usable items to a Trash to Treasure sale that will benefit local charities through a newly developed recycling program.

The Trash to Treasure sale will be held from 7:30 a.m. to 4 p.m. Saturday, May 25, in the Ag Arena and all proceeds will be donated to the Centre County United Way.

"The new program will get usable items out of the refuse pile and into the hands of those that can use them," said Al Matyasovsky, a supervisor of central support services in the Office of Physical Plant.

Housing and Residence Life staff will encourage campus residents to donate usable items they do not want or are unable to take home during move-out by placing them in any of the more than 250 barrels located throughout the residence halls and commons buildings. There also will be designated areas for donated items that are too large to fit in the barrels. A number of barrels will be designated for unopened and non-perishable food that will be given to the local food bank.

The donated items will be collected and sorted by Office of Physical Plant staff and then transported to the Ag Arena in preparation for the sale. The Centre County United Way will staff the sale with volunteers from their member agencies, Penn State's Student United Way organization and the Council for Human Services member organizations.

Fraser Grigor, assistant director of Housing Services, was initially charged with find-

ing a productive way to deal with the refuse left when students move out. He hopes the resulting Trash to Treasure sale will inspire "students to see it as a good idea and respond positively by taking advantage of an opportunity to get rid of unwanted items while also helping others in Centre County."

Both Matyasovsky and Grigor agreed that no matter how you look at it, the program is a "win-win" situation.

Matyasovsky explained that even Centre County's budget stands to benefit from the program since the University's recycling programs directly affect the amount of funding the county receives from the Commonwealth to support recycling initiatives. The better recycling programs that Centre County has, the more money the county gets to support its programs.

During last year's spring semester move out, students left 158 tons (or approximately 60 truck loads) of reusable items. This amount is equivalent to the total amount of trash left after five football games. Products included everything from cameras and watches to appliances and couches. This is the largest single two-day waste stream in the entire University organization, said Matyasovsky said. Early projections estimate that approximately 68 percent, or about 3,500 items, will be moved during the sale.

The University also will avoid the \$8,000-\$10,000 annual cost of transporting the unwanted items to a landfill and the funds normally spent for removal now will be used to collect, transport, sort and set up the May 25 sale.

For information, call Al Matyasovsky at (814) 863-4719, Fraser Grigor at (814) 865-4321 or Connie Schroeder at (814) 238-8283.

Tracy Weaver can be reached at tdw30@psu.edu.

College of Communications earns fifth-place finish in Hearst journalism awards program

With strong showings in all three phases of the competition, the College of Communications earned a fifth-place finish overall — its best performance ever — in the 42nd annual William Randolph Hearst Foundation's Journalism Awards Program, which was conducted during the 2001-02 academic year.

A second-place finish in intercollegiate writing paced the performance. In competitions for broadcast news and photojournalism, Penn State finished seventh and 12th, respectively. In the combined writing-broadcast news standings, the college finished, tied for second, with Syracuse Uni-

versity as Northwestern University claimed the top spot.

The Hearst Journalism Awards Program, which has been called the "Pulitzer of college journalism," is conducted under the auspices of the 107 accredited units of the Association of Schools of Journalism and Mass Communication and is funded by the Hearst Foundation. The program was created in 1960 to encourage and support excellence in journalism and mass communication education.

For the full story, check the Web at <http://www.psu.edu/ur/2002/hearstaward.html>.



Arts & Entertainment

Baseball celebrated

"Playing for Keeps: Celebrating Pennsylvania Baseball" is on display through July 13 in the University Libraries' Special Collections Library, 104 Paterno Library, University Park.

The exhibit includes memorabilia devoted to Pennsylvania's major league baseball teams, primary source material documenting Williamsport's historic relationship with minor league baseball and items from the University Archives highlighting the history of Penn State baseball. The exhibit also features a display on the evolution of Pennsylvania baseball uniforms as well as illustrated books on the Negro Baseball Leagues and Cuban baseball.

Case art exhibited

"Cases of Character: Selections from Photographic Case Art in the B. and H. Henisch Photo-History Collection" is on display through July 31 in the B. and H. Henisch Photo-History Collection Exhibit Room, 201A Paterno Library, University Park.

The exhibit highlights daguerreotype case design, a significant secondary art form that developed a life of its own in the last half of the 19th century.

For information, call (814) 865-1793.

Center for the Performing Arts

Tony Bennett brings his voice and charisma this September to Eisenhower Auditorium to help launch the Center for the Performing Arts 2002-03 Festival of the Human Voice season.

Series subscriptions for the upcoming season of 30 events are on sale now. Subscribers also may order tickets to individual events before they go on sale to the general public. Tickets to the Bennett concert—not part of a subscription series—go on sale June 12, while individual event tickets to all other performances go on sale Sept. 5. For information or a season brochure, call (814) 863-0255 or (800) ARTS-TIX. Visit <http://www.cpa.psu.edu> on the Web.

Season highlights include:

- Festival Features, a special subscription series, celebrates the season theme, "Festival of the Human Voice," in performances by Sweet Honey In The Rock with Penn State's Essence of Joy choir; international singer Youssou N'Dour; and Philadelphia's Pennsylvania Ballet and Orchestra accompanied by the State College Choral Society in "Carmina Burana."

- Urban Bushi Collaborates, an American contemporary dance company, collaborates with the National Song and Dance Company of Mozambique in "Shadow's Child," a new work co-commissioned by the Center for the Performing Arts.



An onlooker admires *Anne, 1990*, an aluminum cut-out by Alex Katz. This piece is part of a permanent collection on display at the Palmer Museum of Art on the University Park campus.

Photo: Annamarie Mountz

- Spain's Compañía Nacional de Danza, led by choreographer and dancer Nacho Duato, performs "Multiplicity," an evening-length, contemporary dance set to the music of J.S. Bach.

- Schwab Auditorium serves as a backdrop for the American String Quartet with clarinetist Richard Stoltzman; the Ying Quartet; Florilegium, a London baroque ensemble, with American countertenor Derek Lee Ragin; Swedish mezzo-soprano Katarina Karnéus; and New York City cabaret singer Mary Cleere Haran. Up-and-coming baritone Troy Cook performs in Esber Recital Hall.

- Family-friendly events include Moses Pendleton's athletic dance company Momix, the blue-eyed soul of Rockapella and Theatreworks/USA's adaptation of "Charlotte's Web."

The 2002-2003 schedule follows. Performances are in Eisenhower Auditorium unless otherwise indicated.

- "Rent," 7:30 p.m. Sept. 18;
- Tony Bennett, 7:30 p.m. Sept. 24;
- "Blast II: Shockwave," 7:30 p.m. Oct. 1;
- "Birds of a Feather: A Tribute to Charlie Parker," 7:30 p.m. Oct. 8;
- "Much Ado About Nothing," actors from the London Stage, 7:30 p.m. Oct. 9 and 10, Schwab Auditorium;
- Florilegium, with Derek Lee Ragin, countertenor, 7:30 p.m. Oct. 17, Schwab Auditorium;
- Sweet Honey In The Rock with Essence of Joy 7:30 p.m. Oct. 20;
- Compañía Nacional de Danza, "Multiplicity: Forms of Silence and Emptiness," 7:30 p.m. Nov. 5;
- Wayne Shorter Quartet, 7:30 p.m. Nov. 7;
- "Fosse," 8 p.m. Nov. 15;
- "Bring in 'da Noise, Bring in 'da Funk," starring Savion Glover, 7:30 p.m. Dec. 3 and 4;
- "A Charlie Brown Christmas," Cyrus Chestnut and Friends, 7:30 p.m. Dec. 11;
- Troy Cook, baritone, 7:30 p.m. Jan. 23, Esber Recital Hall;
- "Charlotte's Web," Theatreworks/USA, 2 p.m. Jan. 26;
- American String Quartet with Richard Stoltzman, 7:30 p.m. Jan. 28, Schwab Auditorium;
- Charlie Haden, "Nocturne," 7:30 p.m. Jan. 30;
- Momix, "Momix in Orbit," 7:30 p.m. Feb. 4;
- "Madame Butterfly," London City Opera, 8 p.m. Feb. 7;
- Urban Bushi Women and National Song and Dance Company of Mozambique, "Shadow's Child," 7:30 p.m. Feb. 12;
- "Cabaret," 8 p.m. Feb. 14;
- Ying Quartet, "LifeMusic," 7:30 p.m. Feb. 18, Schwab Auditorium;
- Dianne Reeves, "Celebrating Sarah Vaughan," 7:30 p.m. Feb. 19;
- "Carmina Burana," Pennsylvania Ballet and Orchestra with State College Choral Society, 8 p.m. March 1;
- Rockapella, 7:30 p.m. March 18;
- Kirou Orchestra, 7:30 p.m. March 20;
- "Cats," 7:30 p.m. March 25 and 26;
- Katarina Karnéus, mezzo-soprano, 7:30 p.m. March 26, Schwab Auditorium;
- Mary Cleere Haran, 7:30 p.m. April 8, Schwab Auditorium;
- Youssou N'Dour, 7:30 p.m. April 15; and
- Rodgers and Hammerstein's "Cinderella," 7:30 p.m. April 16.

UNIVERSITY PARK CALENDAR

May 10 • May 23

SPECIAL EVENTS

Friday, May 10

"The Jefferson Suite," gallery talk, by Joyce Robinson, noon, Christoffers Lobby, Palmer Museum of Art.

SEMINARS

Friday, May 10

Drew Manica on "Microchip Separations —

Based Sensors for Cellular Analysis," 4 p.m., S5 Osmond Laboratory.

EXHIBITS

Kern Commons exhibit area

"The Nazi Scourge: Postal Evidence of the Holocaust and the Devastation of Europe," through May.

"Graduate School History," through Sept. 8.

Palmer Museum of Art

"Sam Gilliam: Recent Prints," through May 26. Digital work by John Paul Caponigro, through June 2.

"Carrie Mae Weems: Jefferson Suite," through June 9.

Pattee and Paterno Library exhibit areas

"Legends of King Arthur," through May 31.

"Playing for Keeps: Celebrating Pennsylvania Baseball," through July 13.

"Fred Weing and Sports Figures," through May 31.

"Cases of Character: Selections from Photographic Case Art in the B. and H. Henisch Photo-History Collection," through July 31.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Hemingway

Continued from page 1

and annotating all of Hemingway's correspondence, a collection estimated to be 8,000 to 10,000 letters strong, for publication in a multi-volume edition. She will coordinate an international team of scholars in this effort. In addition, a single-volume edition of selected letters will be published with the general public in mind. The undertaking will be known as the Hemingway Letters Project at Penn State.

"I'm very pleased to see this project is being undertaken because so much of Ernest Hemingway is in his letters," commented Ernest Hemingway's only surviving son, Patrick, about the project. "He had many friends and devoted a great deal of time writing to his friends, and for this reason his letters give a very complete account of the 20th century."

Through the years, Hemingway's letters have been carefully guarded. Only two books of selected letters have ever been published, and about 90 percent of his letters are as yet unpublished.

"Hemingway once said that his letters were 'often libelous, always indiscreet and often obscene,'" said Spanier. "These are private writings, unguarded and uncensored. They capture his emotions in the heat of the moment, and reveal a far more interesting and complex personality than one might expect from Hemingway's public persona. Sometimes he would vent his anger in a letter and then send it off—usually wisely. He could be vulnerable, tender, critical and self-critical, and he could be wonderfully funny."

Said Hemingway, "I don't think he was worried about them as literature, so they are more relaxed. They are especially interesting when they parallel events of his life that he drew on in fiction."

According to Scott Donaldson, president of the Ernest Hemingway Foundation, the Hemingway Letters Project represents a crucial step forward for the study of American literature.

"Hemingway made an indelible mark on modern American prose," he said. "It's hard to conceive of any other writer's letters that might rival his in importance and interest."



Noted Hemingway scholar Sandra Spanier has an extensive collection of Hemingway works and related research materials.



Sandra Spanier will be spending a lot of times in libraries, searching the archives for Hemingway correspondence.

As Spanier pointed out, Hemingway's letters tell us a great deal about the times in which he lived (1899-1961).

"Hemingway's work was always of the moment. His second book was entitled *In Our Time*, and he rededicated the temper of his times whether he was writing about the malaise of the 'lost generation' in Paris in the '20s or about the Spanish Civil War. His letters constitute a cultural history of the 20th century."

The first part of the project will involve a lot of detective work, as his correspondence is not located in one place. But the hunt for Hemingway letters is on. Spanier has located letters in at least two dozen libraries in the United States, the largest cache being The Ernest Hemingway Collection at the John Fitzgerald Kennedy Library in Boston. Other collections are located in archives around the world and in the hands of private collectors and dealers.

According to Spanier, Hemingway saved everything. He was meticulous in saving drafts of his prose, letters, recipes and even receipts. "There were trunks filled with papers left at the Ritz Hotel in Paris and at Sloppy Joe's Bar in Key West, as well as in his home in Cuba, where he lived from 1939-1960," she said. "His widow, Mary, was given permission by Fidel Castro to remove about 200 pounds of paper and other items from Hemingway's home after his death."

The Ernest Hemingway Foundation chose Spanier as general editor of the letters project from among competing scholars. "We are delighted that the Hemingway Letters Project has found its perfect editor," said Sandra Spanier and its ideal home at Penn State," said Donaldson. "Penn State's dis-

tinguished tradition as a leader in American literature was established early by Fred Lewis Pattee and continued by many scholars such as Philip Young, Professor Spanier's mentor and one of the first and most influential Hemingway scholars. This tradition is embodied today by such scholars as Spanier, and Penn State professors James West and Linda Miller, who will serve on the project's advisory board."

"I see Penn State as an especially fitting location for the Hemingway letters edition, both in terms of its tradition and its commitment to the project," said Spanier. "I am honored to be carrying on the work of my professors, Philip Young and Charley Mann, who were the first to see Hemingway's papers in the late 1960s — back when they were kept in a New York bank vault and in shopping bags in the closet of his widow's apartment."

Their book, *The Hemingway Manuscripts: An Inventory*, was published in 1989 by the Penn State Press. The University became one of the earliest centers for American literary studies with the arrival of Pattee in 1894 — at the time a controversial departure from English history. A pioneering scholar in American literary history, Pattee was first in the nation to hold the title of professor of American literature.

Spanier's research interests include 20th-century American literature, especially expatriate American modernists. A longtime Hemingway scholar, she recently led the Penn State Alumni Association study tour, "A Moveable Feast: Hemingway's Paris and Pamplona," which followed Hemingway's footsteps

through the streets of Paris and retraced the route of Jake Barnes, Hemingway's character in *The Sun Also Rises*, to Spain.

She has served on the editorial board of the *Hemingway Review* since 1992, and has participated in international Hemingway conferences at such Hemingway havens as Paris, Sun Valley, Bimini and Havana. Spanier also interviewed and edited a book by Martha Gellhorn, writer and war correspondent who hated being known as Hemingway's third wife, before Gellhorn died in 1998 at the age of 89. With David Morrell, she edited a book of Philip Young's essays, including a section on Hemingway, published by the Penn State Press in 2000.

Spanier also has extensive experience in editing a writer's letters. She is completing an edition of the letters of the late Kay Boyle — at the request of Boyle — who was one of the most enduring writers of modernist American literature and well-known among Paris's 1986 American expatriate community. Spanier's 1986 book, *Kay Boyle: Artist and Activist*, was the first to treat the author's life and work.

She estimates that Boyle wrote more than 20,000 letters in her lifetime.

"I have made dozens of trips to archives during the course of the project and personally collected copies of more than 7,000 letters." While searching for letters, she discovered the manuscript of Boyle's longest first novel, *Process*, written in France in 1924-25 and missing since the late 1920s. The novel, edited by Spanier, was published for the first time in 2001.

Spanier worked with John Harwood, director of Penn State's Center for Academic Computing, to develop a computerized inventory system that enabled her to sort the database of letters by date, author, recipient and provenance. This system will be utilized for the Hemingway Letters Project.

The most influential American writer of the 20th century, Hemingway's life and writing style have been widely written about and analyzed. As a young writer in Paris in the 1920s, Hemingway aimed to revolutionize American literature. He had two best-selling novels before the age of

30, and was awarded a Pulitzer Prize in 1952 and the Nobel Prize for Literature 1954. After years of struggling with depression and illness, he committed suicide in 1961.

Hemingway's books are widely read throughout the world, and today almost universally are taught in U.S. high school and college courses. He also has become an icon of popular culture. His image or name appears in furniture and car advertisements, and his homes in Key West, Cuba and his birthplace in Oak Park, Ill., are tourist attractions. A war simulation computer game is named after his novel, *For Whom the Bell Tolls*. There even is a Hemingway cookbook.

Photo: Greg Gieco



This image is among the many pieces of Hemingway memorabilia in Sandra Spanier's collection.

Photo: Greg Gieco



Awards

Deans' Excellence awards honor College of Communications faculty

Four full-time faculty members and one part-time faculty member have been honored by Dean Douglas Anderson of the College of Communications with annual Deans' Excellence Awards.

The awards honor educators who make the ideals of teaching, research and service a reality at the University.

■ **Krishna Jayakar**, assistant professor of communications, received the Deans' Excellence Award for Teaching. He has helped develop the course in telecommunications economics, consistently earned outstanding student evaluations and made an impact in his department and the College of Communications in general.

■ **Martin Halsuk**, assistant professor of communications, earned the Deans' Excellence Award for Research. A newspaper reporter and editor in Chicago, Los Angeles and San Francisco for more than 20 years, Halsuk earned his doctoral degree and joined the faculty for the fall 2001 semester. His research focuses on media law and in the past year he has had two articles published in top-tier refereed journals, had an op-ed column published in the *Los Angeles Times* and had a piece published in the *Columbia Journalism Review*. In addition, he has served as an invited panel expert at two major conferences.

■ **Richard Taylor**, the Palmer chair professor of telecommunications studies and co-director of the Institute for Information Policy, received the Deans' Excellence Award for Service. During the academic year, he chaired four committees in the college and served as a team leader for the

United Way campaign, which raised a record \$11,700 and earned countywide recognition for the greatest increase in dollars raised for units of its size. In addition to those and numerous other activities, he served as a fellow in the eBusiness Research Center for The Smeal College of Business Administration and the School of Information Sciences and Technology. He was a member of the IST E-World Committee as well.

■ **Maura Shea**, lecturer in film/video, received the Deans' Excellence Award for Integrated Scholarship. In the fall and spring semesters combined, she taught nine course sections and a first-year seminar section in the fall. She supervised a major independent study project, participated fully in curriculum discussions and plunged into a pre-production for a feature-length comedy film titled "Hooray for Mr. Touchdown" that will begin production later this spring. She also was active on committees within the College of Communications, coordinated the Samuel Abrams and Carmen Finestra Film Endowment Awards and prepared to co-direct the Institute for High School Filmmakers this summer.

■ **Chip Minemyer**, associate editor of the *Centre Daily Times*, received the Outstanding Part-Time Faculty Member Award. As part of an effort to build on recommendations by Executive Vice President and Provost Rodney Erickson last year to more fully assimilate part-time faculty members into the fabric of the University, the College of Communications has consistently used part-time faculty members.

ed as a tribute to William Murphy, a national leader in the use of distance education technologies in Cooperative Extension who died in 2001.

The World Campus was nominated for the award for its success in eliminating the barriers of time and place for thousands of adult part-time students throughout the United States and the world and for working effectively to bring online distance learning into the mainstream of the University's academic community. The team also was cited for its leadership in raising awareness and understanding within the national higher education community of effective approaches for online delivery in distance education.

Vice President's Awards honor faculty, staff

Faculty and staff members have been honored with Vice President's Awards for their extraordinary contributions and dedication to the outreach mission of the University.

James H. Ryan, vice president for Outreach and Cooperative Extension, presented the awards at a dinner recently.

Award recipients are:

■ **Marilyn Corbin**, assistant director of Cooperative Extension and state program leader for children, youth and families, Vice President's Award for Outreach Leadership.

■ **James W. Travis**, professor of plant pathology, and his team, Vice President's Award for Innovation — Pathfinder Award. Team members are Theodore R. Alter, associate vice president for outreach, director of Cooperative Extension and associate dean in the College of Agricultural Sciences; Paul A. Backman, professor of plant pathology, associate dean for research and graduate education and director of the Agricultural Experiment Station; Herbert Cole Jr., professor of plant pathology; Robert M. Crasswell, professor of tree fruit; Frederick E. Gildow Jr., professor of plant pathology;

John M. Halbrendt, associate professor of plant pathology; Jayson K. Harper, professor of agricultural economics; Larry Hull, professor of entomology and scientist in charge of the Fruit Research and Extension

Center; Lynn Kime, Adams County Cooperative Extension agent; William Kleiner, Adams County Cooperative Extension director; Grzegorz "Greg" Krawczyk, extension tree fruit entomologist; Fruit Research and Extension Center; and Michelle S. Rodgers, regional director of the Capital Region of Cooperative Extension and Outreach.

■ **Tracey Denko**, financial assistant with the Division of Continuing Education's Conferences and Institutes, Vice President's Award for Quality Enhancement.

■ **Jean Callazo**, staff assistant in the Continuing Education Technology Division at Penn State Great Valley, Vice President's Award for Customer Service.

■ **John W. Comerford**, associate professor of animal science and extension beef specialist, Vice President's Award for Partnership — Bridge Builder Award.

■ **Karen Thomas**, family and consumer science extension educator with Lackawanna County Cooperative Extension, Vice President's Award for Diversity and Public Service.

■ **The Distance Education/World Campus Advising Team**, Vice President's Award for Special Contributions. Team members are Donna Anderson, staff assistant, and academic advisers Tamsin Crissman, Kimberly Furst, Gerald Goff, Jane Ireland and Karen Lesch.

4 nominees awarded Goldwater Scholarships

All four of the undergraduate students nominated by Penn State Won The Barry Goldwater Scholarship and Excellence.

The Scholarship Program honoring Sen. Barry M. Goldwater was designed to foster and encourage outstanding students to pursue careers in the fields of mathematics, the natural sciences and engineering. The Goldwater Scholarship is the premier undergraduate award of its type in these fields.

The students and their career goals are:

■ **David J. Comstock**, a junior in materials science/engineering at University Park; career goal: earn a doctorate in materials science and engineering and become an expert and leading researcher in the field of ferroelectric materials.

■ **Thomas M. Denkenberger**, a sophomore in biochemistry/molecular biology at University Park; career goal: earn a doctorate in biochemistry and lead a research group that investigates the molecular aspects of disease and aging, with focus on the roles of telomeres and telomerase.

■ **Kerri A. Pratt**, a sophomore in chemistry at University Park; career goal: earn a doctorate in chemistry and conduct original chemical research either in industry or as a professor, using a multifaceted

approach to environmental problems to develop functional products that are both economically feasible and environmentally benign.

■ **Catherine E. Vrentas**, a junior in biology at University Park; career goal: earn a doctorate in cancer biology and use background in molecular genetics to contribute to the understanding of the biology of a cancer cell through research as a university professor.

Goldwater Scholarships were awarded to 308 undergraduate sophomores and juniors from the 50 states and Puerto Rico, selected on the basis of academic merit from a field of 1,155 mathematics, science and engineering students who were nominated by their faculties. For the 2002-2003 academic year, 179 of the scholars are men and 130 are women.

The one- and two-year scholarships will cover the cost of tuition, fees, books and room and board up to a maximum of \$7,500 per year.

Recent Goldwater Scholars have been awarded 44 Rhodes Scholarships (six of the 32 awarded in the United States in 2002), 39 Marshall Awards and numerous other distinguished fellowships.

World Campus team honored by national award

The World Campus staff, led by Gary E. Miller, associate vice president for Distance Education and executive director of the World Campus, has been awarded the 2002 Bill Murphy Barrier Buster Award from the American Distance Education Consortium.

The consortium, headquartered at the University of Nebraska at Lincoln, is an association of state and land-grant colleges and universities that offer distance education programs and services to the public through the Web and satellite technology.

Miller, on behalf of the World Campus team, received the Barrier Buster Award on April 14 during the American Distance Education Consortium's meeting in Columbus, Ohio. The Barrier Buster Award was created

Partings

Ginsberg's teaching career spanned 35 years

After 35 years of teaching, Robert Ginsberg, professor of philosophy and comparative literature at Penn State Delaware County, has announced his retirement.

One of the original seven faculty members hired when Penn State Delaware County opened in 1967, Ginsberg taught 68 different courses at the campus during his tenure.

In 1977, Ginsberg developed the first course in comparative literature at the campus. He has introduced thematic courses

on war, religion and love.

Ginsberg also has taught classics, humanities, human development, and science, technology and society.

Additionally, Ginsberg has supervised independent studies in comparative literature for advanced students.

He received his bachelor of arts and a master of arts from the University of Chicago, and his doctoral degree from the University of Pennsylvania.

Eyerly bids farewell after 39 years of service

Raymond W. Eyerly, assistant to the director of the Environmental Resources Research Institute, is retiring after 39 years of service to the University.

Eyerly began his career in 1963 as assistant to the director of the newly founded Institute for Research on Land and Water Resources. In 1986, the Institute for Research on Land and Water Resources merged with the Center for Air Environment Studies to become the current Environmental Resources Research Institute, and Eyerly has served as its assistant to the director until the present. Eyerly also has held the position of senior research assistant in environmental resources.

Eyerly managed all pre-award and post-award functions of the institute. With the

growth of the institute, his responsibilities grew from managing annual research expenditures of approximately \$200,000 in 1963 to last fiscal year's annual research expenditures of close to \$11 million.

Eyerly is a member of several professional societies and also serves on various committees designed to improve the University's research grant network.

His recent research has focused primarily on ways to improve the administration of sponsored research programs and he is an expert in software systems modeling for budgeting and management information. Eyerly earned a bachelor of science degree and a master of science degree in agricultural economics and doctoral degree in business administration from Penn State.

Associate registrar retires after 40 years

Gary Hile, associate registrar, has retired April 30 after 40 years of service at Penn State.

Hile came to the University in 1962 as a statistical clerk in the records office, where he was responsible for the University enrollment report and scholastic action reports.

In 1972, he became assistant records officer and was promoted to director of records in the Office of the University Registrar in 1979. Hile became director of academic records in 1987, and, in 1997, assumed the role of associate registrar.



Gary Hile

Hile was active in many University committees, including the Faculty Senate Committee on Undergraduate Education, and was the team leader of the eLion development team and the entrance to major/location re-engineering project.

He completed his undergraduate degree work at Penn State in production management in 1968. He also received a master of education degree in counselor education from the University in 1977 after completion of his active duty in the U.S. Army.

Assistant to financial officer announces retirement

Edna Shuey, assistant to the financial officer in the Eberly College of Science, retired Dec. 31 after 35 years of service to the University.

Shuey started out at Penn State in 1966 as a secretary in the Department of Computer Science, which then was still part of the College of Science. She moved on to become secretary to the associate dean for

commonwealth campuses and continuing education. Finally, she assumed the duties of assistant to the financial officer in the Eberly College of Science, which she has performed for the last 18 years.

Shuey said she plans to stay busy in retirement. She listed walking every day, crocheting, reading, traveling and spending time with family at the top of her to-do list.

Associate professor retires after 33 years

Susan Richman, associate professor emerita of mathematics and computer science at Penn State Harrisburg, recently retired after 33 years of service to the University.

Richman was appointed assistant professor of mathematics in 1968. In 1977, she became head of the mathematical sciences and, later, computer science programs, a position she held for almost 20 years.

Richman served twice as chair of Penn State Harrisburg's Faculty Council. She was a member of the University Faculty Senate for 15 years, including several terms on the Senate Council and two terms as chair of Committee on Committees and Rules. She also served on the University's Special Committee on Faculty Salaries and the CES Reor-



Susan Richman

ganization Steering Committee.

Richman completed her academic administrative career as senior associate dean for Academic Affairs, serving in that role for three years before returning to a faculty position in the School of Science, Engineering and Technology.

She is continuing her service into retirement, including chairing the Penn State Harrisburg Faculty and Staff Development Campaign and co-chairing the Capital College Diversity Committee.

Richman received her bachelor's degree in mathematics from University of California at Berkeley and earned her doctoral degree in mathematics at the University of Aberdeen in Aberdeen, Scotland, where she was a lecturer from 1963 to 1968.

Staff assistant retires after 35 years' service

Linda K. Brown, recreational sports staff assistant, retired April 30 from the Department of Recreational Sports after 35 years at the University.

She began her service to Penn State in 1965 with the Department of Plant Pathology, moved to Agricultural Education in 1972 and has been with Recreational Sports since 1979. She also has assisted with the Commonwealth Campus Athletic Conference office for the last four years.

Her responsibilities have included providing administrative support to the Intramural Sports Office; managing a student staff; processing IBIS forms; upholding athletic policies and procedures; maintaining and monitoring several budgets; and assisting the athletic conference office with design of event programs.

Brown plans to spend her retirement tending her garden, traveling, knitting and spending time with her eight grandchildren.

Several announce retirement from University

Michael A. Auman, supervisor, trades II in Office of Physical Plant, from April 16, 1967, to Jan. 16.

Joseph Dancho, janitorial worker in Office of Physical Plant, from Oct. 11, 1976, to Jan. 1.

Betty L. Dubbs, staff assistant V in Division of Outreach and Cooperative Extension, Nov. 18, 1985, to Feb. 1.

Frank J. Kurylo, maintenance worker, utility at Penn State Great Valley, from Sept. 2, 1986, to Jan. 17.

John R. Lippert, assistant professor of computer science at Penn State Schuylkill, from Sept. 1, 1966, to Jan. 1.

Arthur J. Marsicano, professor of engineering at Penn State Schuylkill, from Sept. 1, 1965, to Jan. 1.

Margaret S. McCardle, staff assistant V in The Smegal College of Business Administration, from Sept. 15, 1986, to Jan. 1.

Nancy A. Parsons, food service worker in Housing and Food Services, from March 9, 1982, to Feb. 1.

Emeritus

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

Jean-Marc Bollag, professor emeritus of soil microbiology in College of Agricultural Sciences, from Sept. 1, 1967, to March 31.

Alphonso F. Lingis, professor emeritus of philosophy in College of the Liberal Arts, from June 15, 1966, to Dec. 31.

Terry J. Pevrier, professor emeritus of Spanish in College of the Liberal Arts, from Sept. 1, 1971, to Jan. 1.

Richard F. Untz, professor of emeritus of environmental microbiology in College of Engineering, from Sept. 1, 1966, to Jan. 1.

Judith R. Vearry, professor emerita of bio-behavioral health in College of Health and Human Development, from Aug. 14, 1984, to Jan. 1.

Brent G. Wilson, professor emeritus of art education in College of Arts and Architecture, from June 1, 1974, to Jan. 1.

Bryce Jordan Center a top venue in North America

Pollstar Magazine announced in its April 22 edition that The Bryce Jordan Center has been ranked ninth in concert tickets sold among all arenas in North America for the first quarter of 2002.

Pollstar Magazine, a national weekly publication for the concert touring industry, recognized The Bryce Jordan Center for selling 78,290 tickets between Jan. 1 and March 31 of this year. As the largest arena between Philadelphia and Pittsburgh, The Bryce Jordan Center sold more concert tickets compared to most major markets such as Boston, Toronto, Los Angeles and even New York City and Madison Square Garden.

"The success of the Jordan Center is another example of the enormous economic development engine that Penn State

is for the central Pennsylvania area," said Gary Schultz, senior vice president for finance and business, and treasurer at Penn State.

"The patrons to the Jordan Center are providing jobs not only at that facility, but they are providing jobs and bringing business to scores of hotels and restaurants in the community and many of these patrons are also shopping in area stores. Concert-goers are coming here from around Pennsylvania and in some cases from around the country to see these performers. It also dramatically enhances the quality of life here in central Pennsylvania, giving local residents the opportunity to attend world-class performances and national events that would not otherwise have a forum in this area."

Top-selling concerts during the first quarter at the Bryce Jordan Center included Billy Joel and Elton John, Jan. 16; Janet Jackson, Feb. 1; Linkin Park, Feb. 9; Weezer, Feb. 12; Neil Diamond, Feb. 26; Marvin Hamlisch, March 1; Harlem Globetrotters, March 4; and WWF RAW, March 25.

Following is the list of arena venues, locations and ticket sales for the first quarter of this year according to *Pollstar*:

1. First Union Center, Philadelphia, 154,717
2. Palace Of Auburn Hills, Auburn Hills, Mich., 151,819
3. Van Andel Arena, Grand Rapids, Mich., 95,321
4. Long Beach Arena, Long Beach, Calif., 91,288
5. Hartford Civic Center Coliseum, Hartford, Conn., 84,633
6. National Car Rental Center, Sunrise, Fla., 81,228
7. Jacksonville Memorial Coliseum, Jacksonville, Fla., 79,725
8. MCI Center, Washington, D.C., 78,682
9. Bryce Jordan Center, University Park, 78,290
10. Nationwide Arena, Columbus, Ohio, 71,258



Neil Diamond may sing about being a "Solitary Man," but his concert was one of the Jordan Center's top sellers in the first quarter of the year.



Elton John pounded the keyboards during his Jan. 16 appearance at The Bryce Jordan Center with Billy Joel, another piano man.

PRIVATE GIVING

Scholarships honor memory of World Trade Center victims

At least six to eight University students annually will receive financial aid from scholarships being established in memory of two University alumni who lost their lives in the World Trade Center attacks.

Gifts and pledges to scholarships in the names of Kermit C. Anderson and David Suarez now total nearly \$400,000.

Anderson, a 1965 graduate in mathematics, was a systems analyst for Marsh and McLennan, where he had worked for 36 years. His widow, Jill Anderson, also is a graduate of the University. The Kermit C. Anderson Scholarship, endowed by gifts from more

than 100 family members and friends, will support outstanding students who major or minor in mathematics.

Suarez, a member of the class of 1999, was employed by Deloitte Consulting and was working with client Marsh and McLennan at the time of the attack. Suarez earned his degree from the College of Engineering.

The David Suarez Memorial Scholarship — A Remembrance from His Colleagues at Deloitte Consulting/Deloitte and Touche has been created with gifts from about 750 colleagues worldwide and matching corporate contributions. The scholarship will be awarded

to students at the University Park campus majoring in engineering, information science and technology, or management science and information systems, who have financial need, and whose ethnic or cultural background contributes to the diversity of the student body.

In addition, in the College of Engineering, the David S. Suarez Memorial Scholarship, created with gifts from the New York-based Starr Foundation and others, will be awarded to students majoring in industrial and manufacturing engineering. As a student, Suarez earned an honorary Starr Foundation scholarship.

OBITUARIES

Donald F. Bailey, manager of student loans in Office of the Corporate Controller, from Aug. 1, 1970, until his retirement April 1, 1989; died March 17, at the age of 74.

Frank Gullo, associate professor of music in the College of Arts and Architecture, from Sept. 1, 1939, until his retirement June 30, 1970; died Jan. 27, He was 91.

Albert Harris, maintenance worker in Office of the Physical Plant, from Feb. 23, 1970, until his retirement Feb. 23, 1980; died March 6. He was 82.

Lena C. Hummel, residence hall worker in Housing and Food Services, from Jan. 31, 1967, until her retirement July 1, 1978; died March 19, at the age of 88.

Evelyn L. Lingle, patient care assistant in the College of Medicine, Hershey Medical Center, from Nov. 2, 1970, until her retirement July 16, 1983; died Feb. 8, at the age of 81.

John H. Lingle, janitor in Office of the Physical Plant, from May 1, 1948, until his retirement Feb. 1, 1965, died Feb. 21. He was 99.

Kiyoe Mizusawa, associate professor of psychology at Penn State Erie, from Jan. 1, 1969, until her retirement June 30, 1990; died Feb. 25, at the age of 82.

Robert G. Price, associate professor emeritus of philosophy in College of the Liberal Arts, from Sept. 1, 1962, until his retirement June 30, 1999; died March 6. He was 67.

Paul Woodring Jr., vending maintenance mechanic in Housing and Food Services, from May 2, 1966, until his retirement Jan. 1, 1988; died Feb. 24, at the age of 78.

COURSES

Summer-Fest seminars

Free technology seminars will be offered May 13 to 17, June 17 to 21 and July 15 to 19 to give instructors an opportunity to focus on their own learning.

Summer-Fest, sponsored by Information Technology Services, is open to all University employees, but places special emphasis on the technology needs of faculty and teaching assistants.

The series covers specific software designed to enhance teaching and learning, as well as general strategies for using technology effectively with students.

For a list of seminars, descriptions, dates and prerequisites, see the Free Computer and Technology Seminars booklet mailed to all faculty, staff and teaching assistants. Seminar information and registration is available online at <http://cac.psu.edu/training>.



Focus on Research

Nicotine withdrawal, inflammatory response similar

By BARBARA HALE
Public Information

In a small study conducted at the University, researchers have shown, for the first time, that heavy or moderate smokers who stop smoking have symptoms similar to those experienced by patients undergoing an inflammatory response — suggesting that anti-inflammatory medication might ease some nicotine withdrawal woes.

Elizabeth Corwin, assistant professor in the School of Nursing and the Intercollegiate Physiology Program, said, "Our research shows that nicotine withdrawal is a significant physical as well as psychological stressor that impacts multiple systems of the body, including the immune system. If we can relieve some negative symptoms — including depression — by reducing the inflammatory response, we may be able to increase the likelihood that heavy or moderate smokers can successfully quit."

The study was conducted by Corwin and Laura Klein, assistant professor of biobehavioral health. Klein explained that smokers often fail multiple attempts to quit, in part, because of the unpleasant symptoms that accompany nicotine withdrawal, including depression, fatigue, muscle aches and appetite changes. Similar unpleasant symptoms accompany acute and chronic illness and these elevations of cytokines, which are produced by white blood cells in response to inflammation. The researchers decided to see if cytokines could be linked to the same symptoms in smokers who stop smoking.

Blood samples from 20 heavy or moderate smokers, ages 18 to 35, were taken while they were smoking freely and after they had stopped smoking for 24 hours. Blood samples were also taken from 22 non-smokers for comparison. The same groups of smokers and non-smokers also completed questionnaires to gauge their fatigue, depression, muscle aches and appetite. Analysis of the symptom self-reports showed that depression, muscle aches and appetite all increased in smokers during nicotine withdrawal.



A small study of smokers found that smokers trying to kick the habit have symptoms similar to those experienced by patients undergoing an inflammatory response, according to Elizabeth Corwin, assistant professor in the School of Nursing.

Photo: Greg Grieco

"Our research shows that nicotine withdrawal is a significant physical as well as psychological stressor."

Elizabeth Corwin

along with fatigue, in smokers predicted depression on nicotine withdrawal. Changes in the production of IL-6 were associated with muscle aches and increased appetite when smoking was stopped. There were no

Although fatigue did not increase significantly with nicotine withdrawal, smokers' fatigue scores were already higher at the start of the study when compared to non-smokers. Analysis of the blood samples showed that the levels of two cytokines, interleukin-1 beta (IL-1b) and interleukin-6 (IL-6),

differences in men's and women's responses.

Corwin said, "The results support the hypothesis that smokers who stop smoking may experience depression, fatigue, muscle aches and appetite changes for similar biochemical reasons that individuals who have acute or chronic disease do. The same therapies — anti-inflammatory medications — may therefore help alleviate these symptoms."

Further studies are needed to find out which particular anti-inflammatory drugs or specific pro-inflammatory blocking agents might best reduce the unpleasant symptoms of nicotine withdrawal and support smokers while they quit. Corwin and Klein are planning such studies.

Barbara Hale can be reached at
bah@psu.edu.

FROM THE EXPERTS

Information grows on seed packages

With the gardening season in full swing, it's time to decide what to plant in the garden this year.

Planting seeds offers gardeners a low-cost opportunity to stick with favorite plants and try out new ones. When considering seeds, a horticulture expert in the College of Agricultural Sciences advises that gardeners should ponder information found on the package. Planning with seed packages, according to Elsa Sánchez, assistant professor of horticultural systems management, makes a garden better.

■ Picture: A picture of the plant in flower or harvested fruit or vegetable typically is found on the front of the seed package. The picture offers useful information like flower type and color and what to expect when harvesting a fruit or vegetable. Remember that the picture is usually of the flower, fruit or vegetable at its best, so use it only as a guide.

■ Plant descriptions: Often it is difficult to determine the form of a plant based on the picture. Seed packages usually provide a written description of the plant including the plant cultivar, plant height, days to harvest or bloom and habits, such as "climbing, upright," etc.

■ Uses and weight: Seed packages often suggest uses for the plant. Some examples are for containers, beds, winter houseplants, trellises, etc. The number of seeds or weight of the seed also is found on the package.

■ Date: The package will have the year for which the seeds were packaged. For example, "Packed For Season 2002." This information is important because as seeds age they lose viability. If seeds have a germination rate of 80 percent in 2002, the rate can be expected to be lower in 2003; for example, 50 percent.

■ Planting directions: The package should have directions on when to plant the seeds, depending on where it will be planted in the United States. The directions should include planting depth, plant spacing and plant exposure requirements (full or partial sun or shade). This section also will advise whether the seeds should be started indoors prior to planting outdoors. The directions often also will contain basic directions for the care of the plant.

"It is a good idea to keep the seed package after planting the seeds as a reference for future care, harvesting and planting," Sánchez said. "The diversity of seeds is exciting because it offers gardeners virtually limitless planting combinations of flowers, fruits and vegetables to grow and enjoy."

Innovative treatment to end epileptic seizures deemed early success

Preston Earnest suffered with epileptic seizures almost every day of his 12½ years. As an infant, a hemorrhage in a part of the brain called the thalamus caused chronic seizures and weakness in the left side of his body. Even the best medications available and a procedure called vagal nerve stimulation did not put an end to the seizures.

Recently, Earnest finally found relief. He underwent a rare procedure at Milton S. Hershhey Medical Center that removed more than half of the right hemisphere of his brain. Called a func-

tional hemispherectomy, the operation performed by neurosurgeon Paul M. Kanev and a team of medical staff, so far, has left Earnest seizure-free.

This is the first time a functional hemispherectomy was performed at the medical center.

"We have the only pediatric epileptology surgical program in Central Pennsylvania and we're one of only a few medical centers in the state that offers aggressive surgical options like the hemispherectomy to help those with epilepsy," Kanev said.

Department of Public Information
312 Old Main, University Park,
PA 16802

Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial assistant/calendar

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Spaces to be increased at Eisenhower deck

This summer, 186 new parking spaces will be added to Eisenhower Parking Deck to replace spaces lost to other construction projects on that section of University Park campus.

The construction project is scheduled through Aug. 8, with the following information from the contractors, according to Transportation Services:

■ Through May 31, the sidewalk along the south side of the Eisenhower Parking Deck will be closed from the entrance to the office space to Bigler Road. All pedestrian access to the offices of Environmental Health and Safety, Parking and University Police will be from the west (Eisenhower Auditorium) side of the building. During this same time period, the Orange B Tennis court lot just south of this sidewalk also will temporarily close.

■ June 1 through June 11, the same sidewalk will be closed from the entrance to the office spaces west toward Eisenhower Auditorium. During this period, all pedestrian access will be from the east or Bigler Road side. The area between the deck and Eisenhower Auditorium also will be temporarily



Construction on the Eisenhower Parking Deck is under way and is scheduled to run through August.

Photos: Greg Grieco

closed, except for some special delivery situations regarding the Eisenhower Auditorium.

■ June 11 through Aug. 5, the driveway on the north side of Eisenhower Auditorium and Eisenhower Deck will be closed from the auditorium to the site of the MBNA Career Services Building. All pedestrian access to the building will be via the sidewalk on the south side of the deck.

■ Through Aug. 5, the surface parking lot (Orange D) on the north side of the deck will be closed.

■ May 13 through July 11, the Eisenhower Deck will be completely unavailable for parking. On July 12, it is anticipated that levels one through four in the deck will return to service. Yellow F permit holders will be directed to park in open staff parking lots such as Orange F at Lash Building or Orange A Curtin. Those with Yellow F parking permits will have their parking payroll deduction fee reduced to the open staff lot rate for the time that the garage is off line.

Stay informed

Any changes to the schedules for the parking deck projects will be publicized to faculty and staff through their parking chairs and also via the LPSUPARK listserv. To subscribe to the LPSUPARK listserv, send a blank message to LPSUPARK-SUBSCRIBE.REQUEST@LISTS.PSU.EDU.



Construction is on schedule at the Nittany Parking Deck on the University Park campus. The project should be completed by December and will add 523 parking spaces to the deck.

Nittany Parking Deck expansion on schedule

The Nittany Deck expansion project on the University Park campus is progressing well on its planned timetable, according to Transportation Services.

The current spring and summer schedules for the project include the following activities:

■ **May 13 to June 28:** a complete redesign and rebuilding of the small parking lot in front of the Nittany Lion Inn and the removal of the entrances to campus at the Executive Educational Center and the current main entrance to this lot. The construction will require the temporary shut-down of the circle drop-off point outside the front door to the inn. It is hoped that this disruption will take only a few days.

■ **July 8 through Aug. 29:** the widening of Fischer Road from the current exit of the Nittany Deck to Allen Road. The work will be completed between the hours of 4 p.m. and midnight in order to provide daily access to University employees assigned to the Nittany Deck. This entire project, which will add 523 spaces, still is on target for a December completion.

The Nittany Deck expansion is the third such project based on the multi-year University Park Master Plan approved in 1999. The master plan replaces 95 percent of all parking spaces lost as new buildings come online, plus anticipated demand generated by the new buildings. Additionally, as a companion piece to the master plan, the University's Transportation Demand Management Plan emphasizes alternative transportation options such as buses, ride-share opportunities and bike paths.



Intercom

INFORMING THE PENN STATE COMMUNITY

MAY 23, 2002

Locksmiths the key to building security system

By JULIE A. BRINK
Public Information

Gary Green, Kevin Potter and Harry Evans may be the only three people on the University Park campus who can legally crack a safe. As a matter of fact, they took classes to learn how to do it.

"Yeah, Gary and I went to school in Kentucky to learn 'manipulation' for combination safes," Potter said. Evans went to school to learn how to drill safes.

Green, Potter and Evans are the University's locksmiths. They're on the front line of University Park security. They spend their days changing and repairing locks and replacing lost keys. They work on file cabinets, desks, key switches on elevators, panic hardware, anything with locks.

Green is the senior in terms of experience with 21 years as a University locksmith. Potter and Evans each have 14 years of experience.

Much of the work with safes involves changing the combinations for security purposes, although Potter does have a pet peeve about the repairs they do.

"People will say 'oh, we've been having trouble for two weeks'" and wait until they can't open it, he said. "Safes are lot easier to work on when they're open than when they're shut."

"When they're shut, it can be a boring job," Green punned as Potter chimed in, "Yeah, with a drill."

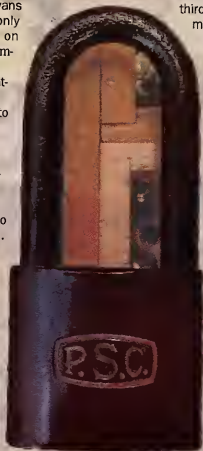
The locksmiths are about a third of the way through a massive project. For the past three years, they've been working to re-key all of the residence halls — that is to install new lock cores and new keys in 44 residence halls. That's 6,000 student rooms, plus another 6,000 rooms such as janitor's closets, bathrooms, etc. requiring a lock and key.

To prepare one core with one key takes about an hour. Cores are the cylindrical lock part into which keys are inserted. The locksmiths use tweezers to stick a series of tiny pins into the blank cores to make each combination unique. Matching keys are coded to the cores and punched in on a series of key machines. Green estimated that they go through about

10,000 to 12,000 key blanks per year.

Their work requires detailed, meticulous records. For instance, in Old Main, which recently had the locks changed, the job entailed 12,000 pieces — keys, cores, caps, pins and springs for about 280 doors.

The locksmiths do a block plan for each project. For a building, that's a rough blueprint that denotes the loca-



Locksmiths, page 2

Rao earns prestigious National Medal of Science

Calyampudi R. Rao, emeritus holder of the Eberly Family chair in Statistics and director of the Center for Multivariate Analysis, was one of 14 scientists and one engineer named by President Bush to receive the National Medal of Science, the nation's highest award for lifetime achievement in fields of scientific research. The honorees will receive the medals at a White House ceremony in June.



Calyampudi R. Rao

Rao's theoretical work helped

lay the foundation of modern statistics. He also has concentrated his efforts on employing statistical methods to solve practical problems in such diverse fields as economics, anthropology, geology, medical diagnosis and national planning. A book he wrote in 1965, *Linear Statistical Inference and Its Applications*, one of the most often cited books in science, has greatly influenced research work in theory and application of statistics.

Responding to concerns of industry, Rao developed Orthogonal Arrays, a novel method of experimentation through combinatorial arrangements. This method is commonly used to improve and control the quality of manufactured goods. His evolution of estimation theory in small samples expanded the reach of statistical methods in real-world work.

Rao pioneered differential geometric techniques in exploring statistical inference problems, based on Rao's Distance Function, an accepted field of research.

The National Science Foundation administers the National Medals of Science for the White House. Congress established the National Medals of Science in 1959. The latest awards bring to 401 the total number of science medals awarded since its inception.

Brighton assumes new post in Chicago

By ANNEMARIE MOUNTZ
Public Information

John A. Brighton, chairman of the Teaching and Learning Consortium (TLC) and executive vice president and provost emeritus, has announced his plans to leave the University, effective at the end of June. Brighton has accepted a position as provost and senior vice president for Academic Affairs at National-Louis University with headquarters in Chicago. He will begin on



John A. Brighton

Measures designed to boost security of access accounts

By KAREN HACKETT
Information Technology Services

In an effort to increase password protection for Penn State Access Account users, Academic Services and Emerging Technologies (ASET), a service unit of Information Technology Services (ITS), will upgrade its File Transfer Protocol (FTP) server ftp.personal.psu.edu on June 1 to provide for "secure-only" file transfers. This means that the University's academic computing users will no longer be able to use popular FTP software such as WS_FTP for Windows and Fetch for Macintosh, to transfer files to their respective Penn State Access Account Storage

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Security, page 3



Kevin Potter cuts a key using a one-of-a-kind pattern. At University Park, locksmiths use 10,000 to 12,000 key blanks each year.

Photo: Greg Grieco

Locksmiths

Continued from page 1

tion of all the doors. Then they fill out a form that lists the key schedule with core numbers. Keys, room numbers, etc. are listed on a matrix chart.

The information for every lock and key on campus is filed away in a series of loose-leaf binders that fill two safes at their office. "We don't haphazardly choose key combinations," Potter said.

"We don't switch cores around, change keys around like they do at some small colleges," Green said. "Everything is by the number."

Not surprisingly, "students are our biggest customers," Green said. They get locked out or locked in, they lose their keys and they leave the University without turning in their keys. Consequently, locksmiths work a 7 a.m.-to-3:30 p.m. weekday shift, but are on call 24 hours a day, answering summons from the service desk.

"They get called out quite often when the students are here," according to Gary Powers, supervisor.

Security is foremost. When the University took over the Scanticon, now The Penn State Conference Center Hotel, Green and Potter changed about 500 locks overnight. Locksmiths also helped to prepare the residence halls for the 24-hour lockdown that begins this summer. Access to the halls will be by ID cards only.

Since the newest residence halls on the University Park campus are at least 40 years old and have the original locks in them, there's plenty of hardware repairs. They've come up with some creative methods. For instance the steel brushes recycled from street sweepers got dandy to repair springs on deadbolt locks.

"The West Halls locks are from the '30s and '40s," Potter said. "The manufacturer just laughed when we tried to buy parts for them."

Julie A. Brink can be reached at jab81@psu.edu.

OBITUARIES

Hugh M. Barclay, campus executive officer at Penn State Fayette, from April 15, 1965, until his retirement Jan. 1, 1984; died March 13, at the age of 84.

Catherine A. Cerami, instructor in mathematics at Penn State Erie, from Aug. 16, 1983, until her retirement July 1, 1994; died March 30. She was 68.

Betty F. Dando, registration clerk in the Office of the University Registrar, from Nov. 2, 1959, until her retirement Jan. 1, 1981; died April 7, at the age of 83.

Ann B. Ebeling, operator, centralized copy center in Business Services, from April 1, 1960, until her retirement June 29, 1985; died March 25, at the age of 77.

Dorothy Erickson, residence hall worker in Housing and Food Services, from Jan. 4, 1966, until her retirement Jan. 1, 1983; died April 3. She was 81.

Barbara A. Hinger, staff assistant VII in Eberly College of Science, from Oct. 3, 1974, until her retirement Oct. 1, 1999; died April 8, at the age of 62.

Annice M. Kephart, janitorial worker in Office of Physical Plant, from March 10, 1969, until her retirement March 11, 1979; died March 25. She was 83.

Walter J. Knepp, dining hall worker in Housing and Food Services, from Dec. 14, 1959, until his retirement Nov. 22, 1983; died Feb. 20, at the age of 79.

Phyllis J. Miller, accounting clerk in College of Agricultural Sciences, from July 1, 1970, until her retirement Jan. 1, 1992; died April 4. She was 72.

Edna R. Musser, counter attendant in Housing and Food Services, from Sept. 1, 1960, until her retirement Nov. 30, 1973; died April 3. She was 91.

Gerhard Reethof, 79, professor emeritus of mechanical engineering, died April 16. Reethof was born in Czechoslovakia, immigrated to the United States in 1940 and started studying at Massachusetts Institute of Technology (MIT). His studies were interrupted to join World War II in 1943 where he earned a Silver Star, three Bronze Stars and received the Purple Heart, European American Middle Eastern Campaign Medal, a Bronze Arrowhead World War II Victory Medal and Croix de Guerre. He completed his bachelor's degree in mechanical engineering in 1947, his master's degree in 1949

and his doctoral degree in 1953, all from MIT. He was an assistant professor at MIT for two years before entering the business world. In the early 1960s, Reethof was an integral part of the jet engine design team for General Electric and the country's first "Super Sonic" bomber aircraft, the XB70. In 1965, he accepted a full professorship at Penn State in the Department of Mechanical Engineering. He was awarded the Alcoa Chair, and formed and directed the Noise Control Lab. He dedicated two consulting weeks a year for many years to perform reliability studies for the U.S. military.

Thurston M. Reeves, head of audiovisual in the Division of Outreach and Cooperative Extension, from Feb. 1, 1949, until his retirement Sept. 1, 1976; died March 13, at the age of 86.

John A. Weaver, laboratory technician in the College of Agricultural Sciences, from April 1, 1936, until his retirement Sept. 1, 1974; died April 3. He was 87.

Walter L. Royall, associate professor of English at Penn State Wilkes-Barre, from Sept. 1, 1966, until his retirement July 1, 1978; died Sept. 29. He was 85.

Stanley M. Sowa, maintenance worker at Penn State Wilkes-Barre, from Aug. 12, 1968, until his retirement Sept. 8, 1979; died March 5, at the age of 87.

Loretta R. Stimer, janitorial worker in the Office of Physical Plant, from Feb. 8, 1960, until her retirement June 29, 1985; died March 18. She was 78.

Mary H. Summers, laundry worker in Housing and Food Services, from Jan. 1, 1962, until her retirement April 10, 1975; died March 8, at the age of 90.

Edward S. Warnick, senior research associate in the College of Earth and Mineral Sciences, from June 1, 1963, until his retirement Jan. 1, 1984; died March 11. He was 80.

John W. Witmer, butter and cheese maker in the College of Agricultural Sciences, from Sept. 13, 1957, until his retirement Jan. 1, 1985; died March 8, at the age of 78.

Phillip W. Zettler-Seidel, assistant professor of physics at Penn State DuBois, from Sept. 1, 1963, until his retirement June 30, 1980; died March 17. He was 87.

Send us your news

Information for publication in Intercom should be sent in the body of an e-mail — not as an attachment — to AMounts@psu.edu by noon on the deadline day. Due to the volume of information received, hard copy or faxed material will not be accepted for publication unless the sender does not have access to e-mail. Due to space constraints, items will be published only once per semester. Events that take place on the same date that Intercom is published will not be included in that issue. For a list of guidelines, check the Web at <http://www.psu.edu/INTERCOM/>.

Security

Continued from page 1

Space, or PASS; however, a variety of alternatives have been established to help faculty, staff and students make the transition from current file transfer methods to more secure options.

The increase in security measures stems from the tendency for many kinds of FTP software to present passwords "in the clear." This means that passwords are vulnerable to network eavesdropping by unscrupulous individuals in search of "userids" (user IDs) and passwords, giving them the ability to gain unauthorized access to servers and systems. Students, faculty and staff should be aware that it's possible for someone to obtain their Penn State Access Account userid and password and assume their identity.

Alternatives have been created to make file updates to personal, course or departmental Web pages easy and secure:

PASS Explorer

Users of the Penn State Portal (<https://portal.psu.edu/>) can transfer files to their PASS via the Penn State Portal's new file transfer tool, the PASS Explorer. The PASS Explorer tool lets users transfer files quickly and easily between their PASS and a local directory/folder on their machine. The tool was created to provide a similar look and feel to an FTP client, but it does not present passwords "in the clear."

To access the PASS Explorer, Portal users will need to add the Penn State Access Account Storage Space channel to their selection of Portal channels by clicking on the "Content" link on the Portal header.

A link to instructions for using the PASS Explorer is pro-

vided via the Penn State Access Account Storage Space channel, but users also may access instructions at <http://www.psu.edu/portalproject/passexplorer/>. Comments and inquiries can be directed to portal-feedback@psu.edu.

PASS Gateway

By using the PASS Gateway, users can securely and easily update files located in their PASS and personal Web space as if the files were local to their computers. The PASS Gateway is mounted from a variety of computer platforms and operating systems. More information and instructions for mounting the PASS Gateway are found via the main PASS Gateway interface at <https://www.work.psu.edu/pass/>.

For those who prefer "native" access, a client for Windows NT can be downloaded from the Web at <https://www.work.psu.edu/access/dce/>. A client from IBM is available for Windows 2000 users; however, it is not site licensed. For information, e-mail root@cac.psu.edu.

Secure Shell Protocol

The Secure Shell Protocol (SSH) allows users to connect to a remote server or machine from another machine or personal computer via an encrypted connection. Using this protocol, the Access Account userid and password pair are transmitted through an encrypted connection to prevent network snooping or "sniffing" of passwords. Once a login session is established, the network data between a local computer and the remote workstation or server also are encrypted. More information SSH is found at <http://cac.psu.edu/internet/ssh/>.

Kerberos

The Kerberos network authentication protocol, developed at the Massachusetts Institute of Technology, uses strong cryptography to make it possible for a client to prove its identity to a server (and vice versa) across an insecure network connection. After a client and server have used Kerberos to confirm their identities, they also can encrypt all of their communications. A number of Web-based services that require authentication with a Penn State Access Account userid and password already use Kerberos.

Individuals can obtain a Kerberos plug-in for the Eudora e-mail client via the CACAP CD, a collection of free software for Penn State faculty, staff and students. More information about the Kerberos plug-in is found at <http://ftp.cac.psu.edu/access/cd/>.

Secure File Transfer Protocol

The Secure File Transfer Protocol (SFTP), an FTP-like client that is used for transferring files over the Internet, is a secure replacement for FTP. Unlike regular FTP, SFTP uses SSH to encrypt the network traffic between two machines (a local machine and a remote server). This means that both the Access Account userid and password and the information passed between a desktop machine and a remote server are encrypted.

Updates to current FTP software will be available on the CACAP CD Web site at <http://ftp.cac.psu.edu/access/cd/> on June 1.

Karen Hachett can be reached at khm@psu.edu

Brighton

Continued from page 1

a part-time basis this month and take the position full-time on July 1.

"John has done so much for this University during his tenure here," said Rodney A. Erickson, executive vice president and provost. "He helped to shape the direction of the University while provost, and for the last three years he has been the driving force behind the successes of the Teaching and Learning Consortium. He was committed to improving the learning experience for students while still provost, and he has devoted his efforts full time to that goal during his time with the TLC. He has laid a strong foundation on which the University will continue to build in the area of improving the way students learn."

Under Brighton, the TLC has fostered an academic culture that emphasizes active learning by students, rather than the imparting of information by faculty. The results of his work have been impressive. The TLC fosters an academic culture in which faculty and students work in teams to educate each other; information technology is used in innovative ways; and courses interlink with and support each other.

"I have enjoyed 25 years of being part of this great university and the State College community," said Brighton. "There are many, many really dedicated people who work every day to make this the quality institution that it is. While I am looking forward to this new opportunity, I will miss very much working with the people of Penn State."

Through the TLC and the Center for Quality and Planning the University has continued to look for ways to improve efficiency and collaboration among units. As part

"While I am looking forward to this new opportunity, I will miss very much working with the people of Penn State."

John A. Brighton

of that ongoing effort, Erickson recently announced some key changes in the organization of programs in Undergraduate Education. The TLC will be moved into the Schreyer Institute for Innovation in Learning along with the Center for Excellence in Learning and Teaching and University Testing Services.

Before his current appointment as chairman of the TLC, Brighton served as executive vice president and provost for eight years. In that role, he was responsible to the president for the administration of the University's resident instruction, continuing education and research programs and procedures, and for the general welfare of the faculty and students.

Early in his tenure as provost, Brighton served as chair of the University Future Committee, which in 1992 was charged with the task of developing initiatives to increase the quality and national reputation of the institution. He also chaired the University Planning Council and was instrumental in helping the University deal with change through the principles of continuous improvement. The University

Council on Continuous Quality Improvement was appointed in 1991 and the University CQI Center, now the Center for Quality and Planning, was established by Brighton in 1992.

Before becoming provost, Brighton served as dean of the College of Engineering from 1988-1991; director of the School of Mechanical Engineering at the Georgia Institute of Technology from 1982-1988; and as chairman of the Department of Mechanical Engineering at Michigan State University from 1977-1982. Brighton served as an assistant professor of mechanical engineering at Carnegie-Mellon University before his initial appointment at Penn State in 1965, where he worked his way through the academic ranks to become professor of mechanical engineering.

Born in Gosport, Ind., Brighton received his bachelor's degree, master's degree and doctorate in mechanical engineering from Purdue University.

National-Louis University is a private, independent university founded in Chicago in 1886. It consists of three colleges: National College of Education; College of Arts and Sciences; and College of Management and Business. The enrollment is approximately 14,000 students.

National-Louis University has five campuses in the Chicago area. The main campus is in the loop across from the Art Institute of Chicago, with the other four campuses at Elgin, Evanston, Wheaton and Wheeling. It also has campuses in Orlando, Fla.; Atlanta; Heidelberg, Germany; St. Louis; Virginia and Washington, D.C.; Nowy Sacz, Poland; Beloit; and Milwaukee.

Annemarie Mountz can be reached at AMountz@psu.edu.



News in Brief

Call Center hours

The Penn State Call Center Services Office will be operating on limited hours for the Memorial Day Holiday. The office will be open from 8:30 a.m. to 5 p.m. Monday, May 27. The office will resume normal hours of operation starting at 7 a.m. Tuesday, May 28.

For information about services provided through the Call Center, check the Web at <http://www.etc.psu.edu/services/staff/callcenter.asp>.



Book drop added

Addressing the needs of students and faculty in University Park's West Campus area, the University Libraries have added a book drop in the foyer of the main entrance to the Earth and Engineering Sciences Building.

Currently, there also are book drops in Pattee Library, west, just off Curtin Road, near the bus stop, and on the mall side of Paterno Library.

Carpool

Bev and Jack are seeking carpools from Pine Glen, Karthaus or Snow Shoe to University Park. Weekday hours are 5 a.m. to 1:30 p.m.; 7 a.m. to 3:30 or 4 p.m.; 7:30 a.m. to 4 or 4:30 p.m.; or 8 a.m. to 4:30 or 5 p.m. For information, e-mail bdk1@psu.edu or call (814) 234-1335.

Men sought for study

The Food Lab in Henderson Building is looking for men ages 20 to 45 to participate in a study of food-related behavior. The study involves eating breakfast, lunch and dinner two days a week for three weeks in the lab on University Park campus.

Meal times are flexible. Participants will be paid. For information, call Jennifer or Denise at (814) 863-8482.

University wins donor competition

Penn State is No. 1 among 19 universities in the American Red Cross Blood Services' first-ever "PointsForPints Intercollegiate Blood Drive Challenge, conducted from October through March of this year.

According to Timothy Miller, senior director of Donor Services for the Greater Alleghenies Region Red Cross Blood Ser-

vices, the University set the standard by collecting 4,348 units of blood from Oct. 1 through Feb. 28, Penn State's promotion period. This amount is 1,023 units more than the amount collected during the same period the previous year, representing a 30.8 percent increase.

"Penn State's donor participation rate of 9.05 percent among students, faculty and staff far surpassed other universities involved in this promotion," Miller said.

"PointsForPints" is a blood drive competition built around the NCAA Division I basketball season. The program is sponsored jointly by American Red Cross Biomedical Services and the Red Cross Office of Volunteers, Youth and Nursing.

For the full story, check the Web at http://www.psu.edu/ur/archives/intercom_2002/May9/redcross.html.

Monarch monitoring project

A volunteer training program for the National Monarch Larval Monitoring Project will be held from 9 a.m. to 2 p.m. Saturday, June 15, at Shaver's Creek Environmental Center.

The Monarch Larva Monitoring Project is a way for monarch and nature enthusiasts to contribute basic knowledge about monarch population dynamics and foster habitat conservation. Participants will learn how to monitor the monarch larva population and will collect field data to share nationally.

To register for this free program, call (814) 863-2000. Participants are asked to dress appropriately for the weather and bring a bag lunch.

Visit <http://www.nmlp.org/> for more details.

Art for kids

The Art Education Program will be sponsoring Saturday art classes this fall for students in kindergarten through eighth grade. Interested participants may register now for the nine-week session, which begins Sept. 28 and concludes with a show of student work on Dec. 7.

Classes will be taught by advanced art education students in collaboration with art education faculty and graduate teaching assistants. They will be held in studio classrooms in Patterson Building and the Arts Cottage on the University Park campus. Class activities will be tailored to students at each age/grade level.

For more information or to request a registration form, call (814) 865-6570.

LECTURES

McNair Conference shows off research findings

McNair scholars, research advisers, mentors and program staff may participate in the University's McNair Scholars Summer Research Conference, to be held Aug. 24 at The Penn State Conference Center Hotel, University Park.

The Ronald E. McNair Post-Baccalaureate Achievement Program was established by Congress in 1986 in memory of McNair, the physicist-astronaut who died aboard the space shuttle Challenger. The program is a federally funded, nationwide initiative to prepare low-income, first-generation college students and

students from other groups underrepresented in graduate education, for doctoral study.

The conference will provide an opportunity for undergraduate McNair scholars to present their summer research findings to a national audience, network with students and staff from McNair programs across the country and meet with graduate admissions personnel from many institutions.

For information or to register, call Chriss Schultz at (814) 863-5100 or check the Web at <http://www.oureach.psu.edu/C&I/McNairScholars>.

Conference planned on cataloging standards

The University Libraries are sponsoring the video conference "Paper Past, Digital Future: Managing Metadata Standards in Transition" from noon to 2:30 p.m. Wednesday, May 29, in the Foster Auditorium, 101 Pattee Library, on the University Park campus.

The conference is the final in a series of satellite video conferences titled "Steering by Standards." It is presented by the Online Computer Library Center, a nonprofit membership organization dedicated to furthering access to the world's information and reducing information costs. The series is

designed to help librarians and other information professionals face the challenges of charting new organizational directions that incorporate emerging standards for electronic resource sharing.

Gary Houk, vice president of center's Cataloging and Metadata Services, is the conference host. The featured speaker is Barbara Tillet, chief of the Library of Congress' Cataloging Policy and Support Office.

The conference is free to the public. For information, call Judy Hewes at (814) 865-1755 or e-mail jjh@psu.edu.

Sculptor to talk about 'Stacks' at library

Peter Calaboyias will give a slide presentation about his work and sculpture, "Stacks," at 2:15 p.m. Friday, May 31, in Foster Auditorium, 101 Pattee Library, University Park.

"Stacks" is installed at the entrance to Paterno Library. Calaboyias will begin a tour of the library at 1:30 p.m.

Calaboyias is known for "Tribute," his Centennial Park sculpture at the Atlanta site of the 1996 Olympic Games where a pipe bomb exploded.

The events are free to the public. For information, call (814) 865-0401.

Faculty Academy focus is 'learning without walls'

Donald Marinelli of Carnegie Mellon University and Kyle Peck of Penn State will be the keynote speakers at the 2002 Faculty Academy June 30 through July 2 on the University Park campus.

The academy will focus on "Embracing Problem-based Approaches: Online Learning Without Walls." Sessions will be held in The Penn State Conference Center Hotel.

A professor of drama and arts management at Carnegie Mellon, Marinelli also is a researcher in the School of Computer Sci-

ence, working on the Informedia Project, a digital video library, where he applies dramatic and cinematographic theory to multimedia interface and application design.

Peck, professor of education, is head of the Department of Adult Education, Instructional Systems, and Workforce Education and Development, and co-founder of the project-based, technology-supported Centre Learning Community Charter School.

For information, go to <http://www.pafaculty.org>.

University to hold symposium in molecular biology

"Xenobiotic Receptors in Toxicology and Carcinogenesis," the 21st Summer Symposium in the molecular biology series, will be held July 31 to Aug. 3 at the HUB-Robson Center on the University Park campus.

The series, administered by the Department of Biochemistry and Molecular Biology, has achieved global acclaim as a forum for sharing the latest information and discussing current trends in biotechnology.

Given the importance of nuclear receptors in diseases such as cancer and diabetes, this symposium will be of particular interest to people in academic, pharmaceutical and biomedical fields.

To learn more about the symposium, visit the Web site at <http://www.psu.edu/dept/symposium/index.htm> or call (814) 863-1918.

Keep on top of the latest University news through the **Employee Newswire**. Just go to the Web at <http://www.psu.edu/ur/newswire/> to sign up for your **FREE** Employee Newswire, an e-mail send that goes out two or more times a week from the Department of Public Information.

Technology survey finds almost all University employees are plugged in

By YLCE IRIZARRY
and HEATHER HERZOG
Information Technology Services

Results from a staff technology survey recently tabulated by the Statistical Consulting Center suggest that almost all University employees (97 percent) have access to use a computer in their work.

The survey, which was initiated in the fall of 2001, was aimed at shedding light on how University staff use and obtain technology skills. It found that more than 90 percent of the staff queried use some sort of Web browsing, e-mail, spreadsheet and word processing software in their work.

According to John Harwood, senior director of Teaching and Learning with Technology, an Information Technology Services unit that provides training services for the University, the information is extremely relevant to understanding staff needs in higher education today.

"This data makes it possible for us to know details about what kind of equipment and information technology training Penn State employees need," he said. "Based on the feedback, we'll be able to both expand and make improvements to the training opportunities we currently offer the University community."

A total of 1,026 surveys were completed by staff working in the University system for less than one year to more than 15 years.

Harwood added that one of the pleasant surprises found in the results is that most University employees are familiar with how and where to access technology training and that their managers are supportive of these activities. For example, 93 percent of those polled reported that they were aware of the computer training services available

through the University system; 84 percent indicated that their supervisors supported professional development activities and provided release time for them to take advantage of training opportunities; and 72 percent indicated that their unit provides financial support to participate in training.

Information Technology training also is becoming increasingly attractive to staff members, due to the growing expectation for them to use technology for research, programming and information dissemination in their jobs, according to the survey. Some 82 percent said that additional instruction would improve their efficiency at work; and individuals who already were using certain kinds of technology, such as database, presentation and Web authoring software, wanted to learn more about those specific kinds of software.

Even staff members who weren't using software packages wanted to learn about what was available and how they could use it, according to Harwood.

"Overall, I believe the survey illustrates that staff members are well aware of, and interested in, Penn State's information technology training opportunities," he said. "The task ahead will be to continue to break down any barriers to training that are due to scheduling conflicts or time management issues."

ITS Training Services is addressing many of these needs by providing more than 1,100 free Web-based courses for students, staff and faculty.

To learn more about Training Services, go to <http://cac.psu.edu/training/>.

Ylce Irizarry can be reached at ylce@psu.edu and Heather Herzog can be reached at heh4@psu.edu.

Library announces lending code changes

To provide an efficient method for the collection of outstanding charges and satisfy requirements outlined by the University auditors, the University Libraries have announced a plan for automatic payroll deduction of outstanding fees. Similar to the plan used by the University's Parking Office at University Park, the plan will deduct outstanding library charges not paid on time from the staff member's paycheck. The Libraries' lending code will adopt the change beginning June 1 for all library locations excluding Hershey, Dickinson and Penn College.

Beginning late May and early June, faculty and other employees currently registered with the University Libraries will receive an e-mail asking permission to deduct fees owed the Libraries. The process, done electronically via the Web, requires the user's Access Account ID and password and asks the applicant to check the box labeled, "Yes, I accept these terms."

Acceptance of the new lending policy is

necessary to retain Libraries borrowing privileges.

According to Rosann Bazrijian, assistant dean for University Libraries Technical and Access Services, "The new process will also help to keep books from the collection in circulation by creating outcomes for the user that will ensure timely return of books or will provide for replacement funds."

Prior to payroll deduction, the patron will receive an e-mail notice from the Libraries that describes the charges. There will be ample opportunity to submit payment or inquire about the charge. The new lending code stipulates that for lost materials, if payment is not received for replacement costs within 18 months from notification that the money is due at the Libraries, payment will be payroll deducted. For all other fees, if payment is not received within 60 days, payment will be payroll deducted.

For information, e-mail Sally Kalin at sgk1@psu.edu or Jack Sulzer at jsulzer@psu.edu, or call (814) 865-0404.

Groff awarded senior Fulbright to study education and culture in South Korea

Margo Coffin Groff, assistant director of International Education Programs and Studies in the University Office of International Programs, has received a senior Fulbright award designed to help higher education administrators learn about Korea.

Groff will travel to Seoul, South Korea, with four colleagues from U.S. institutions to take part in an intensive seminar on Korean higher education and culture. The group will visit institutions and organizations in both the capital city and regional areas.



Margo Coffin Groff

Groff has been a member of the Office of International Programs staff since 1986. She has been involved in promotion and outreach, especially to students from underrepresented groups. Every year she administers a program of grants which go to approximately 30 members of these groups.

Groff also developed a study abroad crisis response team. She manages advising and promotion operations, formulates emergency procedures and writes for the office's International Mosaic magazine.

DuBois seeks campus executive officer

The Commonwealth College invites applications and nominations for the position of campus executive officer (CEO) at Penn State DuBois. Current CEO Claudia Lambert is leaving to assume the post of president of the Mississippi University for Women in Columbus, Miss.

The CEO reports to the dean of the Commonwealth College and provides academic and administrative leadership for the campus in both areas, including academic programming (all resident instruction and continuing education), human resources, fiscal management and facilities maintenance/improvement. He or she also is responsible for developing and maintaining close relationships with surrounding communities as well as other Penn State campuses and administrative units.

Preferred qualifications include:

- earned doctorate and college teaching experience;
- record of success as a senior academic administrator or other senior executive;
- demonstrated leadership skills, vision and ability to identify and build on the strengths of a successful academic institution;
- familiarity with the use and implementation of technology in an educational setting;
- well-developed communication skills and a demonstrated ability to work in an environment of collegiality and shared decision-making;

- success in building a rich, diverse work force and student community;
- extensive experience in developing collaborative partnerships with community and business leaders; and
- ability to work collaboratively within a multi-campus system to identify and achieve common goals.

DuBois is a commuter campus with an enrollment of more than 1,000 students. The campus community includes both traditional-aged and adult students, 95 percent of whom live within 60 miles of the campus. Penn State DuBois offers three baccalaureate programs, 11 associate degree programs and one master's program. For information on the campus, check the Web at <http://www.ds.psu.edu> and <http://cwchoone.psu.edu>.

Interested applicants should submit a letter of application, resume and the names, addresses (including e-mail addresses) and phone numbers of three professional references to Lisa B. Squire, director of College Administration, Planning and Information Technology, 111 Old Main, University Park, PA 16802. The position is available Jan. 1. Review of applications will begin Aug. 15 and will continue until the position is filled.

Penn State is committed to affirmative action, equal opportunity, and the diversity of its work force.

NEW AT PENN STATE

eArchitecture Development Studio opened

The School of Information Sciences and Technology (IST) added a critical new dimension to its student learning facilities as the school formally opened the new eArchitecture Development Studio at University Park.

Located in Rider Building II, the new, 25-seat studio will be home to IST's courses and programs in three core areas: networking and networking security; storage

area networking technologies; and wireless and pervasive computing. The eArchitecture Studio was made possible in part through a \$250,000 equipment donation from WorldStor Inc. of Fairfax, Va., and funds from the tuition surcharge contributed by all IST students at the University Park campus.

Initially, the eArchitecture Studio will support the school's core courses IST 110 (Introduction to Information Sciences and Technology) and IST 220 (Networking and Telecommunications).



Arts & Entertainment

'Shakespeare at Pattee'

The State College Shakespeare Festival, the nonprofit community organization that brought "Shakespeare at the Palmer" to the Palmer Museum of Art plaza in 2000 and 2001, will present "Shakespeare at Pattee" on the University Park library's terraced front steps in May.

The comedy, "As You Like It," opens at 6 p.m. May 24 and runs through June 2 with 6 p.m. performances on Fridays, 2 and 6 p.m. performances on Saturdays, and 2 p.m. matinees on Sundays.

The events are free to the public. In case of inclement weather, the shows will go on in Forum Hall.

Artists' reception

An artists' reception will be held from 4 to 6 p.m. June 12 in the HUB Gallery on the University Park campus in conjunction with the exhibit "Decade 2: 1982-2002." This multi-media exhibit, featuring State College Area School District Alumni (1982-2002) who are working professionally in a variety of art careers, runs June 6-July 25.

Exhibits explore disabilities

"Distinguished People with Disabilities" and "Just As I Am: Americans with Disabilities" are on display through Oct. 31 in the Pattee Library exhibit area and the Diversity Studies Room, 109 Pattee Library, on the University Park campus.

"Distinguished People with Disabilities," in the Pattee Library exhibit area, features images of famous figures from throughout history.

"Just As I Am: Americans with Disabilities," on display in the Diversity Studies Room, features books presenting varying perspectives on disabilities.

The event is free to the public. For information, call Susan Hayna at (814) 865-0284 or e-mail shh@psu.its.psu.edu.

Visit <http://www.libraries.psu.edu/issueweb/disabere/resources.htm> to learn more about library services for people with disabilities.



Participants at last year's Special Olympics receive encouragement. The Special Olympics Pennsylvania 2002 Summer Games take place this year June 6, 7 and 8 on the University Park campus. Special Olympics Pennsylvania organizers ask that community and University volunteers get involved as support or sports volunteers. To pre-register or for more information about this summer's games, call (800) 865-3600 or e-mail Bob and Maureen Dunham at red1@psu.edu. For more information about Special Olympics Pennsylvania, check the Web at <http://www.paso.org/>.

Photo: Chris Koleno

UNIVERSITY PARK CALENDAR

May 24 - June 6

SPECIAL EVENTS

Friday, May 24

"Devotion and Diversity," gallery talk by Joyce Robinson, Christoffers Lobby, Palmer Museum of Art.

"As You Like It," comedy, 6 p.m. Fridays, 2 and 6 p.m. Saturdays and 2 p.m. Sundays, May 24 through June 2.

MUSIC

Sunday, June 2

Daphne Little, piano, faculty recital, 3 p.m., Esber Recital Hall, Music I.

SEMINARS

Wednesday, May 29

"Paper Past, Digital Future: Managing Metadata Standards in Transition," video conference, noon to 2:30 p.m., 101 Pattee.

Friday, May 31

Peter Calaboyas on his sculpture, "Stacks," slide presentation, 2:15 p.m., 101 Pattee.

EXHIBITS

Palmer Museum of Art

Digital work by John Paul Caponigro, through June 2.

"Carrie Mae Weems: Jefferson Suite," through June 9.

Pattee and Paterno Library exhibit areas

"Playing for Keeps: Celebrating Pennsylvania Baseball," through July 13.

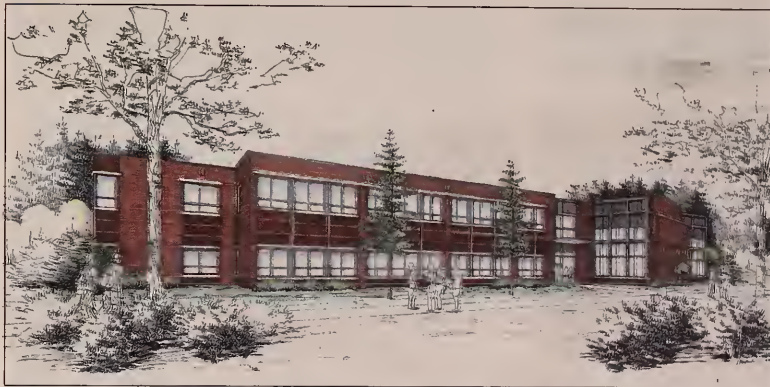
"Distinguished People with Disabilities" and "Just As I Am: Americans with Disabilities," through Oct. 31.

"Cases of Character: Selections from Photographic Case Art in the B. and H. Henrich Photo History Collection," through July 31.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



From the Trustee Docket



This image views the faculty office wing of the new classroom building planned for Penn State Altoona. The building will be located on the east side of the pond in the area of the existing temporary classroom units. It was designed by WTW Architects of Pittsburgh.

Interdisciplinary research at forefront of national trend

The University's strategic focus on interdisciplinary research collaborations is bearing fruit and likely to make Penn State a leader in what is becoming a national trend, said Eva J. Pell, vice president for research and dean of The Graduate School, to the University's Board of Trustees on May 10.

"Contemporary research is rarely conducted by single investigators, or even in narrowly defined fields," Pell said. "As I attend conferences with peers from across the country, it is very clear that the future will be found more and more in interdisciplinary collaborations."

For the full story, check the Web at <http://www.psu.edu/ur/2002/interdisciplinaryresearch.html>.

Adult learners fostered from coursework to family involvement

The University's student population is composed of people with a wide variety of needs, and adult learners are no exception. Claudia A. Limbert, campus executive officer at Penn State DuBois, and Charlene H. Harrison, director of the Center for Adult Learner Services informed the Board of Trustees on May 10 about the landscape of adult learning both nationally and at Penn State.

A study by The College Board indicates an increase in adult student enrollment at three-quarters of all colleges and universities nationwide, with most of these students studying part time. Further data reveals that between 1970 and 2000, the enrollment growth patterns between students ages 18 to 24 and those 25 and older were markedly different.

For the full story, check the Web at <http://www.psu.edu/ur/2002/adultlearners.html>.

Association keeps alumni connected

The Penn State Alumni Association is the largest dues-paying alumni association in the country with 146,000 members, and it has the nation's largest Life Membership Endowment.

In an informational report to the Board of Trustees on May 10,

Richard Dugan, volunteer Alumni Association president and senior managing partner, Ernst & Young, discussed the association's recent initiatives and its continuing efforts to connect alumni with the University.

"The Alumni Association has never been stronger, bigger or better, and has never been more widely modeled around the country," said Dugan. "This year, we reached a new pinnacle by having the most living alumni — 450,000 — of any institution in the U.S."

For the full story, check the Web at <http://www.psu.edu/ur/2002/alumniconnectedtoPS.html>.

3 reappointed to medical center's board

The Board of Trustees on May 10 approved the appointments of Donald M. Cook Jr., Marian U. Coppersmith Fredman and Graham B. Spanier to continue as members of the Board of Directors of Milton S. Hershey Medical Center.

For the full story, check the Web at <http://www.psu.edu/ur/2002/hersheyboardappis.html>.

Undergraduate housing approved

The Board of Trustees approved final plans for the new Eastview Terrace undergraduate housing complex at University Park and for a new library/auditorium at the York campus.

In other action, the trustees approved sketch/preliminary plans for projects at the Altoona and Erie campuses.

For the full story, check the Web at <http://www.psu.edu/ur/2002/undergradhousing.html>.

University announces trustee election results

Penn State alumni, delegates of agricultural societies and delegates of industrial societies elected one new member and re-elected six incumbents to serve on the University's Board of Trustees.

For the full story, check the Web at <http://www.psu.edu/ur/2002/trusteeelectionsmay02.html>.

COURSES

CPR Week

Health Matters and Centre Community's American Red Cross are planning a series of CPR classes. The schedule follows:

■ **WEL 281 — Adult CPR/AED (Automated External Defibrillator)**

Section 1, Monday, June 10, 8 a.m. to 1 p.m., 319 Rider Building.

Section 2, Thursday, June 13, 8 a.m. to 1 p.m., 319 Rider Building.

Cost: \$35.

■ **WEL 282 — AED (Automated External Defibrillator)**

Section 1, Tuesday, June 11, 10 a.m. to noon, 520 Rider Building.

Section 2, Tuesday, June 11, 2 to 4 p.m., 520 Rider Building.

Cost: \$31.

■ **WEL 283 — Community CPR (Adult, child and infant CPR)**

Section 1, Wednesday, June 12, 8 a.m. to 4 p.m., 520 Rider Building.

Cost: \$42.

All of these classes are reimbursed for those who have Health America HMO. The forms will be provided at the conclusion of the class. Participants will receive a book and all the certifications for these classes. Those taking WEL 283 will need to bring a lunch, refreshments will be provided. To register or for information, go online at <http://www.ohr.psu.edu/health/home.htm> or call (814) 865-3085.

LEAVE OF ABSENCE

The following leave of absence recently was approved, in addition to the listing that appeared in the Feb. 7 edition of *Intercom*. Leaves of absence are granted for purposes of intensive study or research that will increase the quality of the individual's future contribution to the University.

■ **Timothy J. Considine**, professor of mineral economics in College of Earth and Mineral Sciences, to accept the Gilbert White Fellowship at "Resources for the Future" in Washington, D.C., and to complete a book on industrial ecology and research papers on the value of climate information.

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Awards

Commonwealth College names Penn Staters of the Quarter

The following people are Penn Stater of the Quarter recipients for January through March.

Bever: Irene Wolf, instructor in philosophy. Wolf organized the first Undergraduate Research Fair, which was well-attended by students, faculty and staff members. The fair included nine students with poster presentations and seven students with oral presentations. Three scholarship awards were presented to the winners.

Delaware County: Karen Hanser and Jean Palladino, staff assistants in the Finance Office. Hanser and Palladino received the award for their assertive, courteous and unceasing effort in contacting scheduled students and moving them into registered status during January. The scheduled list went from 451 students to 69 students by the end of January, due largely to their contributions.

DoBois: Shelly Luchini, staff assistant in admissions. Luchini was involved in making improvements in the campus admissions process. She helped to develop new telecounseling initiatives, helped to develop the Admissions Web site and helped to develop the new visitation brochure and out-of-state student booklet. Luchini also represented the campus on weekends and evenings by staffing the University booth at area job fairs and expos.

Fayette: William V. Hager, Instructional Services and computer support assistant. Hager has been a leader and key resource in efforts to revamp Fayette's Web site over the past few months. In addition, he provided unexpected assistance for the THON team, further illustrating his willingness to work above and beyond his normal responsibilities.

Hazleton: David Orbin, assistant professor of science. Orbin was chosen for the many roles he has played on campus. In addition to his faculty duties, Orbin has been a member of the Technology Committee, the Technology Club adviser and was his chair for the Strategic Planning committee.

McKeesport: Thomas Riley, admissions officer. In addition to his regular work in the admissions office, Riley developed a staff new-hire checklist, worked on a Web-based, new employee orientation program and participated on a committee to update the campus home page. All this was accomplished while being enrolled in a doctoral program.

Mont Alto: Shirley Ketrow Crawford, staff

assistant in Academic Affairs. Ketrow has provided outstanding service to the Mont Alto faculty on a regular and ongoing basis. During this quarter, she provided excellent service by assisting one of the faculty in obtaining the necessary equipment for a course offered in the spring semester.

New Kensington: Joan Begolly, instructor in mechanical engineering. Begolly was selected for her positive role in working with young women in the engineering field. Noteworthy are her activities with the high-school focused Females Interested in Reaching for Science, Technology and Engineering, the Society of Women Engineers and Women in Science and Engineering.

Shenango: Dan Styduhar, senior instructor in engineering. Styduhar served as chair of the Campus Executive Officer Search Committee. He was a campus leader in organizing and preparing for committee meetings and interviews, and played host to all of the candidates. During the spring semester, he provided oversight for a class project that received publicity in the local news media.

University Park: Beth Witter, staff assistant at the Royer Center. Witter assumed job responsibilities for both the Royer Center and the newly formed Information Technology Management unit. She performed the work with a consistent level of excellence, professionalism and competency.

Wilkes-Barre: John Swayze, area representative. Swayze generated significant activity for Continuing Education while performing his regular duties of program development and marketing to new clients. In addition, Swayze's office showed significant increases in graduate credit enrollments, student credit hours and income.

Worthington Scranton: Allison Brundage, admissions counselor, and Sue Sanko, staff assistant in the admissions office. Since the retirement of the registrar, each staff member has worked tirelessly to ensure the success of the various admissions, registration and scheduling functions. They excelled in customer service and worked diligently with prospective students.

York: Rachel Lehr, library assistant. During the quarter, Lehr continued her excellent performance in locating library materials for faculty and students accurately and on time. Lehr also provided these services to members of the greater York community, thereby increasing the community service role of the campus.

Faculty, staff win accolades at Harrisburg

Penn State Harrisburg recently announced the winners of its annual faculty and staff awards during campus ceremonies.

The following employees were honored:

■ Nancy L. Leister, staff assistant in the Office of Student Activities, was presented the Staff Service Award, established to recognize extraordinary service to the college.

■ Robert D. Russell, assistant professor of management in the School of Business Administration, earned the Faculty Service Award, which recognizes extraordinary service to the public and the University. Russell's work as co-chair of the Capital College Strategic Planning Steering Group was singled out in the presentation of the award.

■ Maria A. "Toni" DuPont-Morales,

associate professor of criminal justice, was named winner of the Excellence in Teaching Award. Candidates are evaluated by a campuswide committee on the basis of demonstrated excellence and lasting impact in the areas of general teaching, academic advising, overall career guidance, enthusiasm and commitment.

■ Yufeng Xie, associate professor of environmental engineering, earned the Excellence in Research Award. Xie, a faculty member in the School of Science, Engineering and Technology, is respected internationally for his research on water chemistry related to disinfection byproducts. A major portion of his work focuses on wastewater treatment using crumb rubber.

Roy C. Buck Award goes to Charles Youmans

Charles Youmans, assistant professor of music, was awarded the 2002 Roy C. Buck Award in the College of Arts and Architecture at the college's awards ceremony.

The Roy C. Buck Award is granted each year to a tenure-track faculty member who has published a refereed article in a scholarly

journal within the past four years.

Youman's article, "The Private Intellectual Context of Richard Strauss' Also Sprach Zarathustra," was chosen for its depth of research and the clarity with which Youmans presented his ideas. The article was published in the fall 1998 issue of 19th Century Music.

Towns Awards presented at Capital Campus

The Capital College Liaison Committee to the University Commission for Women has announced three recipients of the 2002 Kathryn Towns Women's History Month Award.

At Schuylkill, Campus Health Services Nurse Linda Fehr was honored for being an "instrumental voice in addressing student health issues for more than 25 years." Fehr's approach to open discussion on contemporary student health issues as well as her community service as adviser to the United Minors Leaders Organization were cited in describing her service. Fehr retired from the University on March 31.

Schuylkill education major Veronica Kneal also was recognized. Kneal is

enrolled in the Honors Program, as well as active in Lion Ambassadors, Future Educators and the Adult Student Organization. She is a dean's list student. Kneal was recognized for her work with the "I Am Every Woman" Women's History Month Program at Schuylkill and her work with Schuylkill County Women in Crisis.

Harrisburg's honoree was Marylou Martz, coordinator of Student Health Services. Martz was cited for her work as the Liaison Committee's first chair and for her leadership for nutrition, healthful choices and responsible living for all members of the community as well as for her advocacy in issues relating to women's health and well-being.

Staff assistant cited as adult learners' mentor

Jacki Mowery, staff assistant in the Adult Center at Penn State Altoona, has been honored with the 2002 Outstanding Mentor for Adult Learners Award.

The Eta Upsilon Chapter of Alpha Sigma Lambda (ASL) at University Park and the Commission for Adult Learners made the designation.

In her eight years at the Adult Center, Mowery has helped innumerable adult learners in making the transition back into the classroom to continue their education. An adult learner herself, Mowery is a role model for many of the students who visit the Adult Center.

This semester Mowery reactivated Altoona's Family Fun Night that offers a Friday evening program of activities for adult learners and their family members. About 80 people took advantage of the athletic complex and interacted over refreshments. She also has provided active support to the leaders of ANTS (the Association of Non-Traditional Students) and the Altoona chapter of Alpha Sigma Lambda, the adult honor society.

She has been an active participant in recruiting students for Altoona and has helped prospective adult learners with the application process.



Partings

Shenango employee retires after 33 years

Alfred "Al" T. Boardley, advising program coordinator and interim registrar at Penn State Shenango, has retired after 33 years of service to the University.

Boardley was hired at Penn State Shenango in the fall of 1968 as the Division of Undergraduate Studies coordinator. In 1996, he was given the additional responsibility of interim registrar for the campus, a position which he held until his retirement.

Before being hired at Shenango campus,

Boardley was a counselor at Butler High School and also was employed part-time at Penn State New Kensington campus where he was responsible for the campus Freshman Testing Counseling and Advising Program.

Boardley graduated from California State College with a baccalaureate degree in education. He went on to receive his master's degree in counseling from Duquesne University.

Penn State Shenango says farewell to Evans

Frank C. Evans, assistant professor of business administration, announced that he would be leaving Penn State Shenango after 25 years of service.

Evans was hired at the Shenango campus in 1977 as an assistant professor of business administration to teach the associate degree courses in accounting and finance. He later taught the upper-level courses associated with the campus' baccalaureate degree in business.

Throughout his tenure, Evans has written and had published several articles and publications as well as a book, which he co-authored with David M. Bishop.

Evans will continue to work at Smith Evans Strimbu Valuation Advisory Service, the consulting firm where he has worked as a principal for the last several years, and will continue to present to the financial and business community.

Several announce retirements from University

Kenneth R. Divinye, fee assessor in Office of the Corporate Controller, from June 1, 1966, to Jan. 1.

Sandra D. Edwards, assistant director of union and student activities in Office of the Vice President for Student Affairs, from July 1, 1977, to Jan. 1.

Kathleen M. Giboney, staff assistant V in University Libraries, from Jan. 2, 1975, to Dec. 31.

Marcia M. Haluga, administrative assistant IV in College of Earth and Mineral Sciences, from Feb. 17, 1975, to Jan. 4.

Connie L. Ishler, janitorial worker in Office of Physical Plant, from March 15, 1967, to Jan. 30.

Nancy L. Kurzinger, janitorial worker in Office of Physical Plant, from May 6, 1976, to Jan. 3.

Kathleen A. Lonberger, dining hall worker A in Housing and Food Services, from March 29, 1969, to Jan. 1.

Ralph L. Mastriani, campus registrar III at Penn State Worthington Scranton, from July 1, 1970, to Jan. 1.

Constance L. Masullo, staff assistant VI in

Office of the Corporate Controller, from June 14, 1971, to Jan. 1.

John P. McNavage, associate professor of English at Penn State New Kensington, from Sept. 9, 1966, to Dec. 31.

Thomas J. Russo, associate professor of chemistry at Penn State Altoona, from Sept. 1, 1964, to Jan. 1.

Barbara J. Sines, residence hall worker in Housing and Food Services, from Nov. 8, 1976, to Jan. 5.

Edward G. Skelly, maintenance worker, general A at Penn State Altoona, from Aug. 23, 1970, to Dec. 29.

Don E. Stewart, project assistant in College of Engineering, from Sept. 19, 1974, to Jan. 1.

Judy D. Sunday, staff assistant VI in College of the Liberal Arts, from Oct. 11, 1976, to Jan. 1.

Cordelia W. Swinton, assistant librarian in University Libraries, from Sept. 1, 1966, to Dec. 31.

Gerald D. Wilson, supervisor, butcher shop in Housing and Food Services, from Sept. 14, 1970, to Jan. 1.

APPOINTMENTS

New campus registrar joins the Penn State DuBois staff

Jeanne C. Hunter recently joined the Penn State DuBois staff as the new campus registrar.

As registrar, she is responsible for projecting, developing and coordinating course scheduling, and planning and coordinating all pre-registration and registration activities at the campus, as well as maintaining academic records.

Hunter was formerly employed by Systems and Computer Technology Corp. in St. Marys where she was a remote systems

developer. Before that, she was an applications development manager and a business analyst for Keystone Powdered Metal Co. Previous positions included systems analyst for SGL Carbon Corp. of St. Marys and applications analyst, systems analyst, senior systems analyst and team leader with Aluminum Co. of America in Pittsburgh.

Hunter earned her bachelor of science degree in management information systems from the Indiana University of Pennsylvania.

Associate director named for the Industrial Research Office

James J. Uchno, formerly vice president for marketing at North American Refractories Co., has been appointed as associate director of the Industrial Research Office for the Office of the Vice President for Research.

Uchno will provide support for the mission of the Industrial Research Office by facilitating long-term relationships with industry and enhancing the potential for contract research and technology transfer. As a member of the Research and Technology Transfer Organization, he will support proposal development, negotiations and the marketing of licensable technology.



James J. Uchno

Since 1973, Uchno held various positions with North American Refractories Co. During 2000, 2001, he was vice president of marketing, managing the marketing and technical services requirements for all iron and steel market applications. From 1997 to 2000, he served as vice president for technology and innovation. From 1991 to 1997, he was the director of research and quality assurance, overseeing, directing and coordinating all research and product development.

Uchno earned two degrees in ceramic science from Penn State—a bachelor of science degree in 1971 and a master's degree in 1973.

Associate dean of Research and Graduate Programs named

Russell Barton, professor of management science, will become associate dean of Research and Graduate Programs in The Smeal College of Business Administration on July 1.

Barton takes over from Martin Kilduff, who served this past year as interim associate dean. Kilduff will return to the Department of Management and Organization to continue his research program on June 30. Barton will be in charge of the master of science and doctoral degree programs including implementation of the doctoral

degree renewal, as well as overseeing all research and related activities.

Barton joined the Department of Management Science and Information Systems in January as professor of management science. He had previously been a faculty member in the Department of Industrial Engineering and is known for his work and sponsored research in simulation modeling. Barton also has been a part of the teaching team in the joint Smeal-Engineering Quality and Manufacturing Management Program.

New faculty director named for Smeal Scholars Program

Mark Dirsmit, Deloitte and Touche professor of accounting in The Smeal College of Business Administration, will become faculty director of the Smeal Scholars Program effective July 1.

The Smeal Scholars Program is part of the University-wide Schreyer Honors College. Students in all of the academic colleges may simultaneously be members of the Honors College and pursue a broad set

of opportunities for study, research and scholarly exploration in the major of their choice.

In his new role as faculty director, Dirsmit will assist Smeal Scholars in developing thesis advisers for their majors.

In addition, he will be teaching a scholars seminar on business analysis and contemporary topics.

Penn State Berks gets manager of maintenance services

Michael Mahon has been named the new manager of maintenance services at the Penn State Berks campus.

He was previously employed with Agere

Systems in Reading and prior to that was employed by Penn State University Park campus as a project coordinator for the eastern region.



Promotions

Technical Service

Todd J. Anderson, maintenance worker, utility in Office of Physical Plant

Timothy L. Baker, orchard worker and machine operator in A in College of Agricultural Sciences

James D. Biggs, maintenance worker, utility at Penn State Delaware County

Joseph T. Brown, stock clerk/truck driver in Housing and Food Services

Michael J. Chura, maintenance mechanic A at Penn State Hazleton

Raymond A. Clouser, HVAC maintenance mechanic in Office of Physical Plant

Warren E. Daughenbaugh, area facilities maintenance mechanic in Office of Physical Plant

James M. Drapcho, water analyst in Office of Physical Plant

Gordon E. Himes, maintenance worker, utility in Office of Physical Plant

Richard L. Kauffman, maintenance worker, general B at Penn State Mont Alto

Beau D. Klein, maintenance worker, utility in Office of Physical Plant

Kathy M. Lowery, maintenance worker, utility in Office of Physical Plant

Jeannette A. Mohl, animal caretaker A in College of Medicine, Hershey Medical Center

Todd D. Naylor, water analyst in Office of Physical Plant

Richard A. Patton, group lead worker, utility at Penn State Worthington Scranton

Joan M. Plazenczyk, maintenance worker, utility at Penn State Hazleton

James K. Rieg, maintenance worker B at Penn State DuBois

Thomas E. Rothrock, plumber-fitter in Office of Physical Plant

Staff

Ashley L. Anthony, administrative assistant II at Penn State Abington

Kathy L. Aubry, assistant manager, Housing and Food Services at Penn State Mont Alto

Nancy L. Bellaman, staff assistant VI in Division of Development and Alumni Relations

Kimberly A. Benner, coordinator, publications and promotions at Penn State Lehigh Valley

La Dawn D. Benner, staff assistant VI in University Libraries

K.R. Bennett, lead contract and proposal specialist in Applied Research Laboratory

Yakov Bernstein, lead applications programmer/analyst in Office of Budget and Resource Analysis

Jason F. Bloom, senior executive steward at Penn State Conference Center Hotel

Margaret A. Boman, advising program coordinator at Penn State DuBois

Carmen B. Borges, associate director, Office of Affirmative Action in Office of the President

Debra D. Brown, proposal and grant aide in College of Earth and Mineral Sciences

Beth A. Byers, staff assistant VII in Division of Outreach and Cooperative Extension

Theresa J. Collins, lead applications programmer/analyst in Division of Outreach and Cooperative Extension

Tauni M. Cramer, staff assistant VIII in Business Services

David S. Day, coordinator of student organizations and program development at Penn State McKeesport

Charlene J. Dewilber, program coordinator, Stone Valley in Intercollegiate Athletics

Janet W. Doyle, associate director II in Division of Development and Alumni Relations

Teresa M. Dugan, human resources coordinator III in Office of the Vice President for Research

Jennifer M. Eckenrode, assistant manager, Housing and Food Services at Penn State Altoona

Erin L. Eckley, staff assistant VI in Eberly College of Science

Judith A. Espenshade, financial and accounting assistant in College of Medicine, Hershey Medical Center

Jonathan E. Fine, research programmer in Eberly College of Science

Amanda J. Futrick Brooks, staff assistant VIII in Applied Research Laboratory

Andrea L. Garner, assistant extension agent in College of Agricultural Sciences

Linda M. Gelnett, staff assistant VII at Penn State DuBois

Lynette A. Goodrow, staff assistant VI in Office of Physical Plant

Patricia L. Goodwin, library assistant II, cast member in University Libraries

Robin P. Guillard, staff assistant VIII in Applied Research Laboratory

Chrisse S. Harter, information systems support associate in Computer and Information Systems—Administrative Systems

Cynthia I. Harter, administrative assistant I, Office of Affirmative Action in Office of the President

Eric J. Helfen, programmer in Computer and Information Systems—Administrative Systems

Sally J. Horn, staff assistant VI in Division of Development and Alumni Relations

Julie A. Horton, staff assistant V in Student Affairs

Jennifer I. Jenkins, exercise physiologist in College of Medicine, Hershey Medical Center

Priscilla A. Johnson, Division of Undergraduate Studies programs coordinator at Penn State Lehigh Valley

Susan N. Johnson, staff assistant V in Student Affairs

Courtney H. Keene, coordinator of residence life in Office of Student Affairs

Hartley R. Kinsey, research engineer in Applied Research Laboratory

Cynthia A. Kunes, assistant to dean in College of Agricultural Sciences

Amey Jo Larimer, staff assistant VI in College of Agricultural Sciences

Raymond Lasinski, assistant manager, Housing and Food Services at Penn State Altoona

Heddi C. Leiden, manager, Housing and Food Services II at Penn State McKeesport

John M. Lindner, assistant manager, Housing and Food Services at Penn State Erie

Sharon D. Lutton, library assistant I in University Libraries

Gerald L. Martin, senior extension associate in College of Agricultural Sciences

Brian S. Mauro, assistant director at Penn State Lehigh Valley

Jennifer M. McCoy, research support assistant in College of Medicine, Hershey Medical Center

Sherri R. McGregor, area representative at Penn State Altoona

Sandra M. McKee, staff assistant VI at Penn State Abington

Sean P. McHale, assistant manager, Housing and Food Services at Penn State Hazleton

Deborah L. Meditz, assistant student aid coordinator at Penn State Abington

Barbara L. Meeker, director of campus and community affairs in Office of the Vice President for University Relations

Mark N. Melnick, lead project coordinator/Web developer at Penn State Harrisburg

Robert F. Mikesell, exercise physiologist in College of Medicine, Hershey Medical Center

Michael J. Miller, assistant manager, Housing and Food Services at Penn State Berks

Lisa A. Moyer, library assistant I at Penn State Erie

Amanda R. Mulfinger, senior data management analyst in College of Medicine, Hershey Medical Center

Harry M. Nelson, staff assistant III at Penn State Dickinson School of Law

David D. Nichi, assistant manager, Housing and Food Services at Penn State Beaver

Cynthia L. Pander, assistant manager, Housing and Food Services at Penn State Erie

Debra L. Quiggle, staff assistant VI at Penn State Erie

Sue Ellen Ramer, coordinator research and administrative services at Penn State Harrisburg

Lois A. Rice, staff assistant VII in College of Agricultural Sciences

Deborah G. Richner, staff assistant VI in University Libraries

Anne F. Rick's, staff assistant VI at Penn State Berks

Anna M. Ritter, staff assistant VI, Office of Affirmative Action in Office of the President

Nancy J. Rollings, senior research support associate in College of Medicine, Hershey Medical Center

Bradley D. Ross, research support technology III in College of Agricultural Sciences

Raymond P. Rothstein, research support assistant in College of Medicine, Hershey Medical Center

Gregory C. Schiavoni, assistant director, Housing and Food Services at Penn State Harrisburg

Bobbie L. Seavern, staff assistant V in College of Earth and Mineral Sciences

Patricia N. Senay, staff assistant VII at Penn State McKeesport

Stephen G. Shelow, deputy director of Police Service in University Safety

Brian D. Shook, research programmer in Computer and Information Systems—Center for Educational Technology

Rebecca A. Simpson, area representative II at Penn State McKeesport

Gretchen A. Slapp, staff assistant VI in Division of Outreach and Cooperative Extension

Barbara P. Smith, manager, network applications services in Computer and Information Systems—Center for Educational Technology

Jodi L. Smith, director of alumni programs in Division of Development and Alumni Relations

Robert D. Stern, staff assistant V in Business Services

Barbara A. Struble, student aid adviser in Office of Student Aid/Office of the Vice Provost and Dean for Enrollment Management and Administration

Karen V. Stitzer, staff assistant VI in University Libraries

Janet E. Striebig, staff assistant VI at Penn State York

Adriane D. Sumner, research technician II in College of Medicine, Hershey Medical Center

Kirk M. Swanson, development assistant in Division of Development and Alumni Relations

Lorna A. Triche, administrative assistant I in Office of the Vice President for Research

Catherine M. Vandenberg, senior research technologist in College of Health and Human Development

Alanson M. Vogan, assistant manager, Housing and Food Service at Penn State Erie

Joyce A. Vroman, staff assistant VII, University Publications in Office of the Vice President for University Relations

Christine L. Vucinich, senior microcomputer system consultant in Computer and Information Systems—Center for Educational Technology

Charmayne L. Wagner, staff assistant VII in Office of the Vice President for Research

Douglas C. Wagner, assistant manager, Housing and Food Services at Penn State Hazleton

Diana M. Wagner, facilities coordinator in College of Engineering

Brenda L. Walker, assistant to the associate vice president in Division of Development and Alumni Relations

Donna L. Warner, staff assistant VIII in College of Agricultural Sciences

James F. Weaver, assistant director, Morgan Academic Support Center for Student Athletes in Office of the Vice Provost and Dean for Undergraduate Education

Kevin S. Wehnau, PC LAN management analyst, intermediate at Penn State Dickinson School of Law

Curis B. Wengert, assistant manager, Housing and Food Services at Penn State Mont Alto



Focus on Research

Insider trading disclosures could lower trading costs

BY STEVE INFANTI
The Smeal College of Business

Allegations of accounting irregularities and insider trading underlie the lion's share of federal securities law class-action litigation, and there is a growing chorus for a change in regulations governing insider trading and disclosure.

A University accounting professor co-authored some recent research that offers insights into the effects changing public disclosure regulations may have on insider trading and the market.

"Generally speaking, under the current Securities and Exchange Commission regulations, people don't find out a CEO or other insiders have traded until after the trade. We model what would happen if insiders were required to disclose that they were going to trade, not that they had traded," explained Steven J. Huddart, associate professor of accounting, University of California at Los Angeles professors John Hughes and Michael Williams co-authored the research.

Huddart noted that shareholder class-action suits are commonly filed in the wake of insider selling ahead of a stock price drop. Typically, these lawsuits allege that top executives sold their over-valued stockholdings at the same time that they misled investors with overstated or opaque accounting reports.

The study models the effects of (1) a requirement that insiders disclose their intention to trade and (2) more stringent financial reporting standards. Both types of rule changes serve to remove insiders' information advantage and reduce trading costs, but the study also shows how these rule changes can interact in surprising ways.

"One consequence of more stringent financial reporting standards is the reduction of trading costs for all traders because price adjustments to the order flow become smaller. Another consequence is a reduction in insiders' information advantage and their ability to profit at the expense of other traders," Huddart said. "A further consequence is the additional risk that insiders and other traders must bear from the inability to trade before the price adjustment to information contained



Steven J. Huddart, associate professor of accounting, has studied the effects of changing public disclosure regulations may have on insider trading and the market.

Photo: Greg Grieco

in those financial reports is complete."

The relative magnitude of these three effects depends on the liquidity of the market for the firm's stock. At one extreme, Huddart explained, for highly liquid stocks, trading costs will be low and the promise of gains from trading on private information is likely to override all else causing, as conventional wisdom suggests, insiders to favor less stringent financial reporting standards.

"At the other extreme, for thinly traded stocks, where insiders' trades are stripped of their disguise, insiders may favor greater public disclosure," Huddart said.

Mandating that insiders disclose the intention to trade ahead of their actual trades has the effect of making a stock appear thinly traded from the insider's perspective. Accordingly, changing rules that govern insider trading can affect executives' attitudes toward new financial reporting stan-

dards in potentially beneficial ways.

Huddart notes that insiders routinely trade stock in their firms for reasons other than the exploitation of their information advantage, such as to rebalance portfolios, manage taxes or undertake estate planning. If market makers were sure that an insider's motive for trading was unrelated to private information, then the stock price would be unaffected by the trade.

"However, in the more likely case that market makers cannot distinguish who insiders are trading, market makers adjust the stock price based on the order flow, thereby imposing trading costs on all traders, including insiders. In turn, these trading costs prompt insiders to distort their trades," Huddart explained.

Steve Infanti can be reached at smi33@psu.edu.

Web site, course help dairy farmers

Pennsylvania ranks in the top third of America's milk producers, but, according to Ken Bailey, associate professor of dairy markets and policy, new business education programs for dairy farmers could have a positive impact on the Commonwealth's dairy industry.

"We are in a new environment where it's either boom or bust for dairy farmers," Bailey said. "One year you're going to make a lot of money and, the next year, you're going to lose all the money you made the year before. Farmers need to know how milk is priced, and they need to understand how the futures market works."

Through the Cooperative Extension's Dairy Options Pilot Program, Bailey is teaching Pennsylvania's dairy farmers to take advantage of federal policies that allow farmers to buy into the futures market and lock into high milk prices.

Bailey developed and implemented a training program for Cooperative Extension agents in 25 counties. The agents then

deliver a four-hour course to local farmers, teaching them how to use futures trading to survive fluctuations in the milk market and keep their farms solvent. Bailey also maintains a weekly dairy market report online at <http://dairy outlook.aers.psu.edu/>.

For more of this story, visit <http://www.outreach.psu.edu/News>.

Scholar awarded \$300,000 for study

Sean Reardon, assistant professor of education, was named a W.T. Grant Scholar and awarded \$300,000 to pursue his research.

The funding from the William T. Grant Foundation will allow Reardon five years for his study, "Adolescence to Adulthood in Chicago Neighborhoods." The study will investigate the neighborhoods' effects on the timing and trajectories of adolescent behaviors, including substance use, crime, sexual activity and educational attainment.

Dan Welch will head new cancer partnership with several research groups

A group of national research institutions have announced the formation of a new partnership with the basic goal of finding out what causes cancer to metastasize or spread — and how the spread of cancer to the bones of an individual can be prevented.

The College of Medicine, the University of Chicago and the National Foundation for Cancer Research (NFCR) have announced

the creation of a new national cancer research center. Center researchers will work to identify the fundamental molecular changes in cancer cells that cause them to metastasize and translate those basic findings into strategies to prevent metastasis and better treat patients who have metastatic cancer.

The center will be linked with seven other centers around the world to share collabora-

tive information to help cure cancer.

Dan Welch of the Jake Gittlen Cancer Research Institute at the Hershey Medical Center was named director of the NFCR Center for Metastatic Cancer Research at Milton S. Eshelman Medical Center/College of Medicine. Welch is widely credited with identifying several genes that block metastasis in breast cancer and melanoma. One

gene, called breast cancer metastasis suppressor, could be a key to preventing the growth of cancerous tumors when they escape from the original tumor.

The team of investigators will focus on the most difficult and challenging problems related to metastasis using state-of-the-art methodology and interactive collaboration.



Department of Public Information
312 Old Main, University Park,
PA 16802

Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Trash to treasure



Workers unload donated items into a warehouse in preparation for the Trash to Treasure Sale. Once sorted, items are shrink-wrapped for the sale. Roughly 7.5 miles of shrink-wrap were used to wrap items including crystal and gold champagne glasses, mink coats, fans, a jogging treadmill and lots of Ramen noodles.

Photos: Greg Grieco

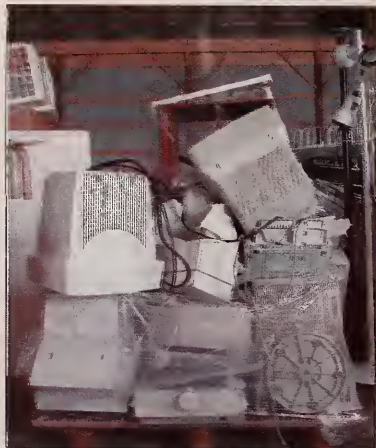
Variety of bargains to be available at Ag Arena sale

The Office of Physical Plant, in cooperation with Housing and Food Services and Residence Life, collected 50 tons of student-donated items to be sold at this Saturday's Trash to Treasure sale



Like-new roller skates were donated by a student for the Trash to Treasure sale.

on the University Park campus. The sale will be held from 7:30 a.m. to 4 p.m. May 25, in the Ag Arena. All proceeds will be donated to the Centre County United Way. Donations include clothing, carpets, toys, athletic equipment, computers, printers, fans, light fixtures and more. All will be offered at bargain-basement prices. Those purchasing carpets may have them shampooed by sale volunteers for a small donation. "The new program will get usable items out of the refuse pile and into the hands of those that can use them," said Al Matyasovsky, supervisor of central support services in the Office of Physical Plant.



Several computers were donated by students when they left for the summer. They are among the items being offered at the Trash to Treasure sale.



Intercom

INFORMING THE PENN STATE COMMUNITY

JUNE 6, 2002

Diversity progress reports now posted on the Web

Final drafts of progress reports on the *Framework to Foster Diversity at Penn State: 1998-2003* submitted by the University's academic colleges and academic support units now are available for public review on the Web at <http://www.equity.psu.edu/framework/updates/>.

Since mid-December, teams of faculty, staff and students have reviewed the reports from 34 units and provided feed-

back. Rodney Erickson, provost and executive vice president, and Terrell Jones, vice provost for educational equity, also completed reviews of the reports and submitted requests for additional information.

Administrators have responded with updates and revisions, said Jones.

"This past year has been very productive with important

diversity initiatives such as the Framework progress reports, the creation of the Africana Research Center and ongoing discussions at every level among our leadership about building collaborative and diverse communities," Jones said. "The Framework review teams of students, faculty and staff were

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THE HISTORIES OF PENN STATE

Campus built on 'Butter Belt'

Case can be made that Delaware County made the first Penn State ice cream

Editor's note: Most people know the history of Penn State as that of a school chartered in 1855 at the request of the Pennsylvania State Agricultural Society to apply scientific principles to farming. Since that time, Penn State has grown from that one campus at University Park to 24 locations statewide, and each of those other locations has its own special history. What follows is the story of one of those locations.

By DAVID JWAINER
Penn State Philadelphia Region

Creamery ice cream! While Penn State's everywhere salivate at the mere mention of those three yummy words, it's safe to say few know that Penn State's history was glazed with tasty frozen confections long before the first Creamery cow produced milk in the 1890s.

In some ways, suggesting that the 33-year-old Delaware County campus is at the genesis of the University's ice cream legacy may seem tenuous, but it's really not that far-fetched.

It all began in the early 19th century, when Thomas Pratt married Hannah Haycock and settled on a family property in Middletown Township, part of the recently created Delaware County. The Pratt family had been dairy farming at this location at



Students work at the window of the Penn State Delaware County Bookstore in this undated archive photo.

least as far back as 1790, making it one of the older farms in a county long known for its dairy farming acumen, according to historical records.

"The campus was part of what we call 'The Butter Belt,'" said Larry Smythe, a

Schreyer Honors College student who studied this history for his thesis project.

The Pratt Farm began producing small quantities of ice cream around 1800, and

Faculty find support from Intellectual Property Office

By BARBARA HALE
Public Information

Increasing numbers of faculty members, students and staff members are taking on or considering the role of entrepreneur to shepherd their ideas and inventions to the marketplace.

In both 2000 and 2001, more than 200 invention disclosures were submitted through the University's Intellectual Property Office (IPO)—about four times as many disclosures as were filed in 1998 when the office was established.

To illustrate some of the many possible routes from patent disclosure to the marketplace, *Intercom* recently interviewed four faculty members who are commercializing their inventions. They come from the colleges of agricultural sciences, engineering, health and human development and medicine. Two of the entrepreneur's companies, Salimetrics and Advanced Interfaces, are producing and selling products. Two companies, EIEICO and Reva, have products in various stages of development.

The University holds equity in two of the faculty start-up companies, EIEICO and Advanced Interfaces. In a third case, the University has licensed technology to an existing start-up company, Reva, for an equity position and sponsored research.

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IPO, page 3

History

Continued from page 1

began taking large quantities to market via train and boat around 1850.

The Pratts produced ice cream at their farm at least through 1870, and the Pratt family continued to own the land until about 1920.

The site was a produce farm through the 1960s, and owners often could be found selling their crops at roadside stands. It was in 1966 that the property began to take an "academic turn," when Penn State University President Eric A. Walker agreed to a request from the Delaware County Board of Commissioners to establish a campus of the University in Delaware County. The commissioners had claimed the former Pratt property due to unpaid property taxes, and gave it to Penn State, along with \$1.2 million to construct the first building at the campus.

The genesis of the campus was not without controversy, as some members of the



The original Penn State Delaware County campus was a rented building in Chester, beneath a roller-skating rink and steps away from train tracks. The campus moved to its permanent location in 1970.

community instead backed the creation of a community college. Thus Penn State

Delaware County and Delaware County Community College both opened their doors to students in September 1967, albeit in temporary facilities.

John D. Vairo, associate professor of journalism at Penn State, oversaw the humble beginnings of the campus at the makeshift digs, a rented, windowless former dry goods store in Chester. It was here that 11 full-time faculty members and 236 students began the Penn State legacy in Delaware County, even as a real live roller rink — complete with rumbling Wurlitzer — operated overhead.

Thankfully for students of that era, the distraction of having the roller rink above them was largely drowned out by the Amtrak trains that whizzed by every seven-and-a-half minutes, just inches from the building. On the plus side, the original student body learned a valuable lesson in how to focus on academics despite the introduction of outside forces beyond their control.

It was without much remorse that students and the faculty — along with the 500 or so books that made up the entire collection of the origi-



The John D. Vairo Library opened as the Library/Learning Center in 1980. It was renamed in honor of the campus' first administrative leader when he retired in 1986.

Photo: Greg Grieco

Delaware County at a glance

- Ed Tomesko, campus executive officer
- 100-acre campus in Middletown Township
- Student enrollment of 1,700
- 62 full-time and 58 part-time faculty
- Student/faculty ratio of 16 to 1
- First two years of more than 160 Penn State majors
- Complete eight bachelor's degrees and two associate degrees
- Professional development programs
- Six varsity sports
- 20 student clubs and organizations

nal Penn State Delaware County library — were moved to the new campus when it opened in the fall of 1970.

There were many other key events in the 35-year history of the campus, including:

- the opening of the Library/Learning Center, now the John D. Vairo Library, in 1980;

- the establishment of the campus' first bachelor's degree program, now called Letters, Arts and Sciences, in 1988; and

- the opening of the campus' newest building, the state-of-the-art, technology-based Classroom Building, in 1998.

From humble beginnings to pillar of the community, Penn State Delaware County, located about 20 miles west of Philadelphia, now educates about 1,700 full-time students annually in four buildings.

A part of the Pratt legacy that remains on the campus is the springhouse, where dairy products such as butter and ice cream were made and stored. The approximately 15-square-foot stone building is situated to the west of the campus' Main Building, near a creek that probably once kept dairy products chilled.

David Juwainer can be reached at daj9@psu.edu

Diversity

Continued from page 1

deeply committed to their tasks. Overall, during the discussions, we found it was not simply a matter of a unit doing better, but doing things differently. Sometimes, the teams found that an issue involved looking at the entire University and rethinking whole processes, not necessarily focusing on one department. Often, the solution is not to create whole new offices, but to better integrate services from existing units. There will be some budget implications for those units which did well and for those which could have done better."

Jones said that this year, the University accomplished nearly all of the items in the *Plan to Enhance Diversity at Penn State* and more.

"Our commitment is reflected in the fact that minority enrollment continues to grow at Penn State. There were 8,869 minorities enrolled at Penn State for the 2001-02 school year — an increase of almost 42 percent since 1994. African-American enrollment alone has grown at Penn State for each year during the past decade. There were

3,574 African-American students enrolled for the 2001-02 school year.

"The University has a major leadership role in educating African-American students and other minorities from throughout Pennsylvania. In addition, Penn State is helping many minority residents through our community outreach programs, economic development efforts and medical services in cities from western Pennsylvania to eastern Pennsylvania including Philadelphia," he added.

A set of best practices to foster diversity will be developed this summer and shared with all University units. They also will be posted publicly on the Web.

The Framework Progress Report teams included representatives from underrepresented student groups such as Black Caucus, Undergraduate Student Government, Commission for Women, Commission for Racial/Ethnic Diversity, Commission for Lesbian, Gay, Bisexual and Transgender Equity, and the Forum on Black Affairs.

IPO

Continued from page 1

Douglas Granger, associate professor of biobehavior health and human development and family studies, said, "My experience in developing Salimetrics has been well worth the time and effort. I would highly recommend taking the road to commercialization to anyone considering it. However, before taking the plunge, there is a considerable amount of homework and new learning that should be done. The challenges and issues are very different than those faculty face in academia — but certainly they are no more challenging than running a large research grant."

EIEICO Inc.

EIEICO (pronounced ee-jee-ee-yee-coh) was formed in 1999 when IPO, working with an angel investor and venture capitalists, "bundled" three University agricultural inventions into the same start-up company. The inventions are a poultry feed withdrawal supplement to reduce carcass contamination during processing, a livestock genetic marker to select breeding animals with favorable meat characteristics and a gel drug delivery system for cattle.

Regina Vasilatou-Younken, senior associate dean of The Graduate School and professor of poultry science, invented the poultry feed withdrawal supplement. She said, "If your first priority is to stay in academia while commercializing your technology, then working with the University's Intellectual Property Office, Research Commercialization Office and related units is the way to go."

Pennsylvania Early Stage Partners, a venture fund, is the primary shareholder in EIEICO. The fund has identified and established a strategic alliance for EIEICO with Grain Processing Corp. for the rights to manufacture, market and distribute the poultry feed withdrawal supplement. Currently, the corporation, with Vasilatou-Younken's help, is working out technical problems and getting ready for field trials.

"I expect that it will be another year before we see if the product will sink or float, Vasilatou-Younken said. "I feel very good about the experience. If I have other technologies in the future, I will go the same route."

Salimetrics LLC.

Granger, co-founder of Salimetrics, said that his company, started in 1997, has grown at least 60 percent in each of the last three years. The company has 16 employees and operates from 5,000 square feet in Innovation Park, the University's research park. The company manufactures and distributes salivary immunosay kits worldwide, operates a reference laboratory for salivary biomarkers and conducts contract research and development for the immunodiagnostic industry.

Granger said he was the first faculty member in recent history in the College of Health and Human Development to pursue the commercialization path. He added, "The HHD administration was receptive and my department head, Lynn Kozlowski, was very supportive, but they hadn't had any experience with this. The IPO helped educate the college

about the process and the benefits of pursuing this activity."

In addition, Salimetrics received a small grant from Ben Franklin Technology Partners of Central and Northern Pennsylvania, occupied a lab and office at the University's Zetachron Center for Science and Technology Business Development for early stage companies and received assistance from Dan Leri, director of the Research Commercialization Office, in relocating to Innovation Park.

Granger, who has followed the faculty-led, lone entrepreneur model, noted, "Traditionally academia has been cynical toward the value of commercialization, although this is changing. First, faculty members should be warned that they must be able to launch the venture and maintain stellar performance on research, teaching and service at the same time. Second, the business world is very skeptical of the value added to a business venture by a faculty member who must also be engaged in research, teaching and service."

Reva

Mark Kester, professor of pharmacology in the College of Medicine, developed a substance that, when coated on a stent used to prop open clogged blood vessels, limits secondary blockages or re-stenosis, the so-called Vice President Cheney disease. He sought assistance in commercializing the technology from the IPO staff at University Park and the technology was licensed to an angel investor-based company, now called Reva. Currently, two venture capital companies that have provided additional enabling stent technology, support Reva.

Kester said, "It has to be a dynamic partnership with information flowing back and forth between investors, investigators and the University. In that way, we have the best chance to develop and optimize coated stents for commercialization."

Kester advised faculty members interested in commercialization to be acutely aware that it is necessary to have an idea about how their invention can fill a niche in the marketplace.

"Your idea has to be equated with a product," he said, "not just something that can get grant funding."

In addition, he suggested that would-be entrepreneurs work with University publicists to develop a press release about the intellectual property.

"The press release about our work got newspaper, magazine and TV coverage," he said. "CEOs heard about the technology and contacted IPO staff members to investigate licensing agreements."

Kester noted, "We're now at the stage in the commercialization process where only one out of 50 inventions results in a product. Nevertheless, the research and product development we are doing will provide valuable information to take back to the 'bench' to ask even more insightful questions about the basic biochemical and molecular mechanisms that support the new technology."

Advanced Interfaces

Advanced Interfaces, founded in 2000 by Rajeev Sharma, associate professor of computer science and engineering, develops and commercializes products that use computer vision technologies for market research and for novel computer interfaces. The company is fielding solutions for measuring marketing effectiveness in the retail industry and for "smart" customer interaction.

It all started when Sharma developed a prototype system to help visitors locate campus parking lots and buildings by talking with a computer-controlled map that responds not only to the spoken word but also to natural hand gestures.

A story in the *New York Times* and other media about the "talking map" produced a flood of interest in the work and Sharma began to think he might be on to something. Looking back on the experience, he said, "The technologies developed at the University through basic research that were spotlighted in those news articles were not ready to be commercialized. Starting a company allowed us to do the necessary engineering to make it ready for the marketplace. It would have been very difficult to license the technologies directly to any other company without establishing its feasibility in real world conditions."

Sharma admitted, "It took much more effort than I had originally planned for, with a lot of effort devoted to raising the capital needed."

Sharma advised, "For every commercializable idea, one should consider all the different options — each of which has different levels of commitments and chances of success. The satisfaction one gets from seeing the results of research being used in the real world can easily outbalance the efforts involved."

Conflict of interest

Starting a company or working with venture capitalists to bring an idea to market consumes vast amounts of an entrepreneur's time. Kester warned, "An inventor has to be clear when they get involved in commercialization that they will wear two hats — and that they won't wear both at the same time."

Kester said that he keeps separate books, personnel, lab space and funding for his academic and Reva research. He says, "I have a faculty member monitor to ensure no conflicts of interest or even the appearance of conflict of interest."

Vasilatou-Younken added, "Having IPO and the other commercialization support units act as intermediaries help to keep things separate — and keep you off the hook."

Go to <http://www.techtransfer.psu.edu> for information on the overall technology transfer process as well as details on intellectual property and research commercialization office.

Barbara Hale can be reached at bah@psu.edu.

25-YEAR AWARDS



Peggy A. Macfarlane



Donald N. Plourde



Jane M. Trainer



Gary E. Miller

Observing 25 years of service at the University are, from left, Peggy A. Macfarlane, administrative assistant II in the School of Behavioral Sciences and Education, Donald N. Plourde, financial officer in the Financial and Administrative Services Office, and Jane M. Trainer, campus coordinator for the R.N./B.S. Program, all at Penn State Harrisburg; Gary E. Miller, associate vice president for distance education and executive director, World Campus, in Division of Outreach and Cooperative Extension; and Robert J. Mills Jr., groundskeeper, landscape A in Office of Physical Plant.

Robert J. Mills Jr.



Awards

Continuing Education honors administrator, staff

Donald Leslie, associate dean for undergraduate studies and outreach in the College of Arts and Architecture, has been honored with the second annual Shirley Hendrick Continuing Education Award for Outstanding Academic Leadership from Penn State Continuing Education.

The award recognizes an academic administrator whose visionary accomplishments have contributed significantly to the success of Penn State's Continuing Education efforts.

Patricia A. Book, associate vice president for outreach and executive director of the Division of Continuing Education, said that under Leslie's leadership, the College of Arts and Architecture has dramatically increased both the quantity and the quality of its outreach activities and has made strong advances toward its strategic goal of becoming the continuing professional education provider of choice for architects, landscape architects and teachers in the performing and visual arts.

In the past few years, Leslie has provided guidance and support to the development of arts-focused Summer Institutes for Teachers and to a new World Campus Initiative focusing on the professional needs of landscape architects and design professionals.

During the annual awards program, Continuing Education staff members were honored for their contributions and commitment to Penn State Continuing Education.

Ken McGeary, director of continuing education at Penn State Lehigh Valley, was awarded the Continuing Education Outstanding Leadership Award. McGeary led the Penn State Berks-Lehigh Valley Continuing Education program to become the largest provider of Management Development programs within the Penn State system. He also has developed programs for at-risk youth that have resulted in more than 200 "expected drop-outs" to remain in school. In addition, he established an international partnership with the University of Turabo in Puerto Rico to provide a master's degree in English as a second language for area teachers.

The following Continuing Education staff members also were honored during the awards ceremony:

■ **Newcomer Award**, recognizing individuals who have been with the Continuing Education organization fewer than two years and who have made significant contributions during that time: Susan LeWay, program development specialist for outreach in the College of Health and Human Development.

■ **omment**, and Jay Polakoff, program manager, Continuing Education, Penn State Great Valley.

■ **Best Quality Award**, recognizing a significant contribution to improving the quality of Continuing Education processes: Tracey Demko, financial assistant with Conferences and Institutes.

■ **Creativity and Innovation Award**, recognizing creativity and innovation in the development or delivery of education programs, products or services to outreach clients: "Penn State For You" marketing team, including Outreach Office of Marketing Communications staff members Andy Petkac, account specialist; Dave Maser, senior graphic designer; Betty Bechtel, director; Scott Moore, Web code; Marie Young, creative services supervisor; Ryan Badowski, marketing associate; Jim Fong, director, Outreach Office of Marketing Research; and Bill Minor, senior director for Outreach Marketing.

■ **Customer Service Award**, recognizing outstanding performance in meeting customer needs and following through in interactions with clients: Cathy Barefoot, staff assistant, Management Development Programs and Services.

■ **Exemplary Program Award**, recognizing a credit or noncredit program that was outstanding in meeting the needs of the audience and the goals of the outreach organization: "Migrant Students: The Road to Success" program coordinated by Sally McGuire, director of Continuing Education, Penn State Hazleton; Georgia Farrow, 4-H program assistant, Carbon County Cooperative Extension; Sue Stetler, migrant education and ESL services, Central Susquehanna Intermediate Unit; and Sandra Medina-Lopez, student support specialist, Northeast Migrant Education Program, Central Susquehanna Intermediate Unit.

■ **Making Life Better Award**, recognizing exceptional service to one's community beyond job responsibilities: Glenda Houser, program aide, Management Development Programs and Services.

■ **Mentor Award**, recognizing commitment to lifelong learning through teaching and providing guidance to colleagues: Jim Campbell, director of Outreach Operations.

■ **Outstanding Employee Award**, recognizing individuals who demonstrate a high quality of work and support for the Continuing Education organization: Janet Rosenbaum, assistant director of Continuing Education, Penn State Wilkes-Barre.

■ **Outstanding Motivator Award**, recognizing an individual whose positive attitude inspires others: Melinda Stearns, director, Outreach Office of Client Development.

■ **Rainmaker Award**, recognizing academic administrators whose visionary accomplishments have contributed significantly to the success of Penn State's outreach efforts: Lothar Gumberich, Management Development coordinator for Penn State Berks-Lehigh Valley campuses.

■ **Outstanding Part-time Teaching Award**, recognizing a Continuing Education faculty member who exemplifies and encourages enthusiasm in teaching and who demonstrates knowledge of specialized expertise: Laurie McLaughlin, staff member with Shaver's Creek Environmental Center.

■ **Outstanding Full-time Teaching Award**, recognizing a Continuing Education faculty member who exemplifies and encourages enthusiasm in teaching and who demonstrates knowledge of specialized expertise: Albert Mastantuono, assistant professor, Management Development Programs and Services.

■ **Team Award**, recognizing teamwork that has contributed significantly to accomplishing the goals of the outreach organization: Penn State Continuing Education Park, including staff members at University Park: Joe Olenoski, area representative; Melissa Pressler, area representative; Jean Duffy, adult counselor; Sharon Youtzy, program assistant; Michelle Lucas, staff assistant; Barb Wilkes, staff member; Diana Weaver, staff assistant; Judy Ryan, staff assistant; Angela Hess, staff assistant; Kay Partenheimer, staff assistant; Karen Wilson, program assistant; David Lykens, computer support specialist; Dave Decker, microcomputer consultant; Scott Davisizer, staff member; Mary Cameron, staff assistant; and Linda Saylor, staff assistant; and Williamsport Center for Continuing Education staff members Angeline Caffrey, Continuing Education representative; Christy Allen, program aide; Isabelle Yanni, area representative; Mary Smith, staff assistant; and Rhonda McCusker, staff member.

■ **Learner Advocate Award**, recognizing an individual who consistently demonstrates a commitment to meeting the needs of specific audiences and advocates for programs and services adapted to these groups: Chriss Schultz, academic youth program coordinator and conference planner, Conferences and Institutes.

Assistant professor wins Junior Investigator Award

Robert H. Bonneau, assistant professor of microbiology and immunology, has been selected by the members of The Hinkle Society in the College of Medicine to receive this year's Hinkle Society Junior Investigator Award.

The award is bestowed on one young investigator each year who is considered a "rising star" and who has great potential for continued success in research. Bonneau's research focuses on how stress affects the immune system and, specifically, how that interaction contributes to the development of herpes simplex virus (HSV) infection.

More recently, Bonneau has extended the scope of his research program to include a study of the effects of both prenatal and postnatal maternal stress on the transfer of antiviral

immunity from mother to child through the placenta and breast milk.

The Hinkle Society, made up of those who have achieved the rank of professor in the College of Medicine, was established in 1975 to honor Samuel Hinkle, former president of the Hershey Chocolate Corp. and former Penn State trustee. In 1963, The Hinkle Society first began to sponsor an award and lectureship for the Outstanding Junior Investigator in the College of Medicine.

Bonneau's research is one example of the many research projects in the College of Medicine that advances medical and scientific knowledge, and enhances public health, the practice of medicine and the education of health professionals.

Lehigh Valley assistant professor honored

Nichola Gutgold, assistant professor of communication arts and sciences, was awarded the 2002 Teaching Excellence Award at Penn State Lehigh Valley's 16th annual Honors Convocation.

The annual award recognizes a faculty member who exemplifies teaching excellence. Gutgold has been at Penn State Lehigh Valley since 1990.

Send us your news

Information for publication in Intercom should be sent in the body of an e-mail — not as an attachment — to AMountz@psu.edu by noon on the deadline day. Due to the volume of information received, hard copy or faxed material will not be accepted for publication unless the sender does not have access to e-mail. Due to space constraints, items will be published only once per semester. For a list of guidelines, check the Web at <http://www.psu.edu/INTERCOM>.



News in Brief

Intercom schedule

Intercom will continue to publish on its summer schedule through Aug. 29, when it will return to its regular publication schedule.

The schedule for the remainder of the summer follows:

Publication date	Copy deadline
June 20	June 12
July 11	July 2
July 25	July 17
Aug. 8	July 31
Aug. 29	Aug. 21

For the full schedule, check the Web. Go to <http://www.psu.edu/INTERCOM/> and click on the link to deadlines.

CORED picnic

The Commission on Racial/Ethnic Diversity (CORED) will hold its year-end picnic from 12:30 to 2:30 p.m. Tuesday, June 11, at Hintz Family Alumni Center courtyard on the University Park campus.

New commission members will be introduced and ongoing initiatives will be highlighted.

The event is free to the University community.

E-mail an RSVP to kmr3@psu.edu.

LECTURE

Assessment Institute planned for Aug. 19 to 22

The Teaching and Learning Consortium together with Pacific Crest of Lisle, Ill., will present an Assessment Institute Aug. 19 to 22 at The Penn State Conference Center Hotel, University Park.

The institute features hands-on, interactive sessions in which participants will experiment with new techniques in performing assessments, share discoveries through group discussion and reinforce principles through lectures and consulting sessions. Participants will work alongside

Blood drives

Two blood drives have been scheduled for this month on the University Park campus.

The schedule follows:
June 18: 9 a.m. to 3 p.m. at the Arts Building. Call Gwen at (814) 865-2591. Appointments are preferred, but walk-ins are welcome.

June 28: 9 a.m. to 3 p.m. in the bloodmobile located in the lot behind the Agricultural Administration Building. Appointments are required. Call Ellen at (814) 865-3077.

Sale nets \$16,000

Recycled student belongings raised about \$16,000 for the Centre County United Way, according to Connie Schroeder, a representative of the United Way.

The Trash to Treasure Sale, held in late May on the University Park campus, featured a hodgepodge of student clothing, furniture, carpets, athletic equipment and computers. Volunteers sold 68 out of a collected 70 tons of material that otherwise would have been sent to the refuse pile.

Bargain hunters paid \$5 to get in early and some 800 shoppers raised \$4,000 during the first hours of the sale.

The remaining items were donated to CentrePeace, the Salvation Army, Goodwill and others.

colleagues from across all academic disciplines expanding their network of peers committed to quality teaching and learning and the role that assessment plays.

Pacific Crest is an educational consulting and publishing company working to improve the quality of educational outcomes by focusing on five key processes—teaching, learning, mentoring, curriculum design and assessment.

For information or to register call (814) 865-4442 or e-mail TLC@psu.edu.

Annual competition for Fulbright Grants is open

The competition for 2003-04 Fulbright and related grants is now under way. The grants, announced by the U.S. Department of State, the J. William Fulbright Foreign Scholarship Board and the Institute of International Education (IIE), are for graduate study or research abroad in academic fields and for professional training in the creative and performing arts.

The purpose of these grants is to increase mutual understanding between the people of the United States and other countries through the exchange of people, knowledge and skills. Fulbright grants are funded under the Mutual Educational and Cultural Exchange Act of 1961 through an annual appropriation made by Congress to the U.S. Department of State and by foreign governments, universities, corporations and private donors. The J. William Fulbright Foreign Scholarship Board, composed of 12 educational and public leaders appointed by the president of the United States, establishes criteria for the selection of candidates and has the final authority for the awarding of grants.

For all grants, applicants must be U.S. citizens at the time of application and hold a bachelor's degree or its equivalent by the beginning date of the grant. Creative and performing artists are not required to have a bachelor's degree, but they must have

four years of relevant training or study. Candidates in medicine must have an M.D. or equivalent (e.g., D.D.S., O.D., etc.) at the time of application.

All applicants are required to have sufficient proficiency in the language of the host country to carry out their proposed study or research.

Full grants provide round-trip international travel, maintenance for the tenure of the award, a research allowance and tuition waivers, if applicable. Travel grants provide round-trip international travel and are available to selected countries to supplement maintenance awards from other sources that do not provide funds for international travel or to supplement the applicant's personal funds. All grants include supplemental health and accident insurance.

Complete program and application information is contained in the brochure, *Fulbright and related grants for graduate study and research abroad, 2003-2004*, and on IIE's Web site at <http://www.iie.org/fulbright.us>.

Students currently enrolled in a U.S. college or university should contact the Fulbright Program Adviser on their campus for more information and the campus deadline date for the receipt of applications. Applications will be reviewed on campus before being forwarded to IIE for the Oct. 25 deadline.

PRIVATE GIVING

Endowment of \$1 million to aid DuBois students

A Penn State DuBois alumnus and his wife have pledged \$1 million to the campus to help academically gifted students in financial need.

Richard "Tim" and Sandy Hale of Kingwood, Texas, have created the Dorothy Hale Endowed Scholarship to help bring talented students to the campus. The couple named the scholarship in honor of Tim Hale's mother, the late Dorothy Hale, who shared their love of Penn State.

The gift is one of the largest ever made to Penn State DuBois.

Hale received a full scholarship to Penn State and he chose to attend Penn State DuBois for his first two years. While there,

he also managed his family's restaurant, The Clearfield Diner. Even with the demands of attending school full-time and working, he was able to maintain a high academic standard and graduated with distinction with a bachelor's degree in mineral economics in 1980.

Hale is the director of the Natural Gas Division of Petrochem Energy Group Ltd., based in Houston. Sandy Hale owns and operates the couple's real estate business, Sam Simon Custom Homes Inc.

This spring, the Hales were inducted into the University's Mount Nittany Society in recognition of their generous support.

APPOINTMENT

Interim director of Center for Women Students made permanent

Margaret "Peggy" Lorch, assistant director of the Center for Women Students (CWS), has been named director of the center.

Since coming to the center as assistant director in April 1999, Peggy oversaw the CWS Sexual Assault Awareness/Prevention programming, including FTCAF, new fraternity member training and orientation. She also worked with the CWS Peer educators, FREE (Peers Helping Reaffirm, Educate and Empower). In her interim director role, she also took on oversight of the Violence Against Women on Campus Grant, served as

a member of the Penn State Coalition to Address Relationship and Sexual Violence, and the Centre County Domestic and Sexual Violence Task Force. She chaired the Penn State Commission for the Prevention of Alcohol, Tobacco and Other Drug Abuse.

Lorch graduated with a bachelor of arts in religion and philosophy from Elizabethtown College in 1971, and received a master of science in community counseling from Shippensburg University in 1988. She is a 2002 doctoral graduate of Penn State's Counselor Education Program.

Agricultural scholarship will aid student-athletes

The College of Agricultural Sciences has received a \$100,000 gift from alumnus Herbert Hirschfeld and his late wife, Donna Hirschfeld, to endow the Herbert and Donna Hirschfeld Family Scholarship in Agricultural Sciences.

Consideration for the scholarship will be given to students in the college who have financial need and a minimum grade point average of 2.5. First preference will be given to varsity student-athletes.

Hirschfeld attended Penn State and was captain of the swimming team in 1943. He

concentrated on ice cream manufacturing and graduated in 1947 with a baccalaureate degree in dairy science. After graduation, he worked for Challenge Cream and Butter Association and helped to establish Baskin-Robbins Ice Cream before going on to start his own ice cream business. A few years later he changed careers to sell life and disability insurance. He is an independent insurance broker and retired as a general agent for UNUM Corp.

The couple's gift plans were finalized shortly before Donna Hirschfeld's death.



Arts & Entertainment

'My Way'

Pennsylvania Centre Stage presents "My Way: A Musical Tribute to Frank Sinatra," June 12-29, at the Pavilion Theatre on the University Park campus. This new cabaret musical includes more than 50 songs by a "who's who" of the greatest composers of the 20th century.

In addition, limited tickets are available for the "My Way" Opening Night Gala at 5:30 p.m. June 14 at the Pavilion Theatre gazebo. The gala will feature light hors d'oeuvres before the show and a bountiful feast on the Pavilion gazebo following the 6:30 p.m. performance.

Tickets are available at Eisenhower Auditorium, The Bryce Jordan Center or by calling (800) ARTS-TIX.

Art camp registration

Registration is under way for the Center for Arts and Crafts' Summer Art Camps for Kids at University Park.

Classes begin the week of June 17 and run through Aug. 16. Four, two-week sessions of morning or afternoon classes are offered throughout the summer. These include classes in pottery, drawing, bead- ing, mixed media, illustration and cartoon- ing, nature crafts and more.

Brochures are available at the HUB- Robeson Center information desk and 207 HUB-Robeson Center.

For class information, call (814) 863-0611 or (814) 865-9278. To register, call (814) 863-0665.

Music at Penn's Woods returns

The Music at Penn's Woods Orchestra and Chamber Music Festival kicks off its three-week season June 29 at Eisenhower Auditorium on the University Park cam- pus.

"Harmonic Convergence" is this year's theme.

Chamber concerts will be held in Esber Recital Hall, Music Building I. Festival orchestra concerts will be held in Eisen- hower Auditorium. Alex Hill will present "Behind the Score" discussions at 6:30 p.m. before the June 29, July 6 and July 13 concerts at Eisenhower.

The schedule is:

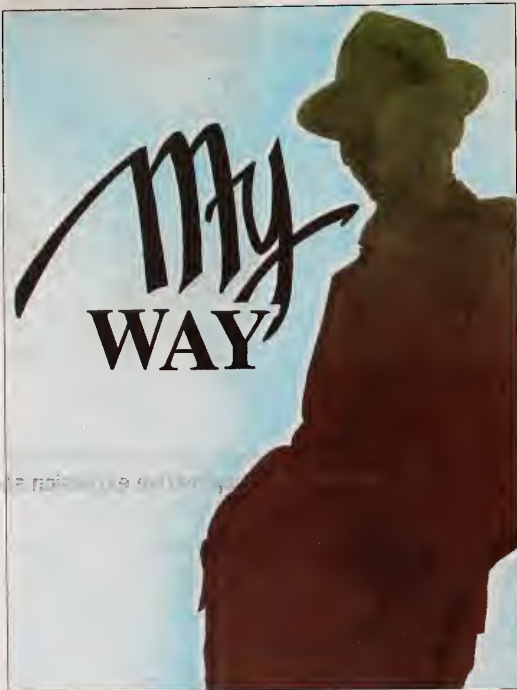
■ Saturday, June 29: 7:30 p.m., Eisen- hower Auditorium, Festival Orchestra Concert featuring Steve Smith, pianist;

■ Sunday, June 30: 3 p.m., Esber Recital Hall, Music Building I, Chamber Music Concert;

■ Friday, July 5: 7:30 p.m., Esber Recital Hall, Music Building I, Chamber Music Concert;

■ Saturday, July 6: 7:30 p.m., Eisen- hower Auditorium, Festival Orchestra Concert;

■ Sunday, July 7: 3 p.m., Esber Recital



"My Way: A Musical Tribute to Frank Sinatra," is part of Pennsylvania Centre Stage's summer season. "My Way" runs from June 14 to 29 at the Pavilion Theatre on the University Park campus. For additional information, see story at left.

Hall, Music Building I, Chamber Music Concert;

■ Wednesday, July 10: 7:30 p.m., Eisen- hower Auditorium, Festival Orchestra Concert;

■ Thursday, July 11: 7:30 p.m., Esber Recital Hall, Music Building I, Chamber Music Concert;

■ Friday, July 12: 7:30 p.m., Esber Recital Hall, Music Building I, Chamber Music Concert; and

■ Saturday, July 13: 7:30 p.m., Eisen- hower Auditorium, Orchestra Concert, fea- turing the Ballet Theatre of Central Penn- sylvania.

For program information, call (814) 863-1118 after June 24.

General admission tickets are \$15 to festival orchestra concerts and \$499 to chamber music concerts. Student tickets, available by showing a valid ID, are \$499 to both festival orchestra and chamber music concerts. The PASSPORT, which costs \$42.50, saves patrons 50 percent on tickets to festival orchestra and chamber music concerts. Tickets are available by calling (814) 863-0255 or (800) ARTS-TIX. Due to construction on the University Park campus, the Music at Penn's Woods staff recommends that all Eisenhower Auditorium events patrons park in the lot at the corner of Bigler and Curtin roads. An interactive parking map for University Park is available at <http://www.gouldcenter.psu.edu/parking/flash/index.html>.

UNIVERSITY PARK CALENDAR

June 7 - June 20

SPECIAL EVENTS

Friday, June 7

"The Jefferson Suite," gallery talk by Joyce Robinson, noon, Christoffers Lobby, Palmer Museum of Art.

Saturday, June 8

"Ancient to 16th-Century Art Gallery," drop-in gallery talk, 2 p.m., Christoffers Lobby, Palmer Museum of Art.

Friday, June 14

"Devotion and Diversity: South Asian Sculpture from the Philadelphia Museum of Art," gallery talk by Dana Carlisle Kletchka, noon, Christoffers Lobby, Palmer Museum of Art.

Saturday, June 15

"Baroque Art Gallery," drop-in gallery talk, 2 p.m., Christoffers Lobby, Palmer Museum of Art.

Monday, June 17

Center for Arts and Crafts' Summer Art Camps for Kids, through Aug. 16. To reg- ister, call (814) 863-0685.

Wednesday, June 19

"Bullshit Crummond," previews 7:30 p.m. June 19 and 20; opening night 8 p.m. June 21; 8 p.m. June 22, 28 and 29; 7:30 p.m. June 24, 25, 26 and 27; 2 p.m. June 29; Playhouse. For tickets, call (800) ARTS-TIX.

MUSIC

Friday, June 7

Gaither Homecoming Concert, Bill Gaither, 7 p.m., The Bryce Jordan Center.

Wednesday, June 12

"My Way," previews 7:30 p.m. June 12 and 13; opening night 6:30 p.m. June 14; 7:30 p.m. June 19, 20, 26 and 27; 8 p.m. June 15, 21, 22, 28 and 29; 2 p.m. June 22 and 29; Pavilion Theatre. For tickets, call (800) ARTS-TIX.

EXHIBITS

HUB-Robeson Center

"Decade 2: 1982-2002," multi-media exhibit by State College Area School District alumni, June 11 through July 25.

Palmer Museum of Art

Digital work by John Paul Caponigro, through June 2.

Drawings and watercolors by American artists from the Palmer Museum permanent collection, through Aug. 18.

"Carrie Mae Weems: Jefferson Suite," through June 9.

Patties and Paterno Library exhibit areas
"Playing for Keeps: Celebrating Pennsylvania Baseball," through July 13.

"Distinguished People with Disabilities" and "Just As I Am: Americans with Disabilities," through Oct. 31.

"Cases of Character: Selections from Photo- graphic Case Art in the B. and H. Henrich Photo-History Collection," through July 31.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.

Grants open way to expand PA FutureConnect

Two new grants — totaling \$102,300 — are opening the way for an expansion of the School of Information Sciences and Technology's PA FutureConnect, a work-experience program for the school's students that also helps solve work-force shortage problems for high-tech companies.

Announcement of the grants, one of \$52,300 from the Stay Invent the Future program and one of \$50,000 from the Team Pennsylvania Foundation, comes on the heels of the successful completion of PA FutureConnect's pilot year of operation in the State College and York regions.

"During 2001-2002, PA FutureConnect provided 25 of our students the kind of workplace exposure they need to become better professionals," said James B. Thomas, dean of the School of Information Sciences and Technology (IST). "At the same time, 16 companies benefited from the expanding expertise of highly motivated, future IT managers."

PA FutureConnect had its beginnings last fall in State College and York, where

the school collaborated with the Chamber of Business and Industry of Centre County and the York County Economic Development Corp., respectively. The Ben Franklin Partnership provided the financial support necessary to launch the program.

The program not only connects qualified students with prospective employers, it helps support the students' salaries — offering a break for startup and emerging firms. Students work 10 to 15 hours a week during the academic year.

"The new funding will allow us to further deploy FutureConnect in Pennsylvania's south-central region," said Jan Mahar, program coordinator. "Beginning in July, we will undertake initiatives in the Harrisburg area in cooperation with Penn State Harrisburg and the Harrisburg Area Community College, while strengthening the existing program in York. We also will build on the important success we've had in the State College region."

For information, visit <http://ist.psu.edu/futureconnect>.

Color their worlds



John Miller, a senior majoring in journalism, and Alaina Breitberg, a physiology and French major, are painting color wheels on the lawn near Old Main. The object of the color wheels is to learn how colors interact with each other for an art class.

Photo: Greg Grieco

Director sought for Population Research Institute

The Population Research Institute is seeking to fill the director position with a distinguished demographer who is a member of the University community.

The director, who reports to the Social Science Research Institute director, should be able to bring an interdisciplinary, integrative perspective to the analysis of population problems. He or she should be able to promote the development of outstanding scholarship in the population sciences and new forms of collaboration spanning the traditional population disciplines and build linkages to other scientific fields. The institute is one of the foremost population research centers in the United States, with annual research expenditures of \$12 million.

Candidates must have an outstanding record of publication, a well-articulated

research agenda in the field of demography and a record of extramural grant support. In addition to being responsible for the institute's administration, the director must serve as a catalyst to develop research and educational programs in the population sciences across the University.

Nominations, including self-nominations, are welcome. Candidates will be asked to submit a letter of application describing their interest and qualifications, a vita, and the names and addresses of three references to: Robert Schoen, Hoffmann professor of family sociology and demography, 601 Oswald Tower, University Park PA 16802.

For information, call (814) 865-8869 or e-mail schoen@pop.psu.edu.

Applications must be submitted by July 6.

Rehab center gets three-year accreditation

For the 12th consecutive year, the Rehabilitation Center at Milton S. HERSHEY Medical Center has received accreditation from the Commission on Accreditation of Rehabilitation Facilities for its medical rehabilitation programs.

The commission awarded accreditation to the medical center's Pediatric Family-Centered and Adult Comprehensive Integrated Inpatient Rehabilitation Programs; Pediatric and Adult Spinal Cord System of Care; and Adult and Pediatric Brain Injury Programs for a period of three years, from March 2002 to February 2005.

Accreditation is awarded to an organization that demonstrates that its participants are benefiting from its services and that patient health, welfare and safety are being protected.

The commission awards one-year and three-year accreditations. To receive three-year accreditation, the medical center's rehabilitation programs had to undergo a rigorous peer review process and show evidence of commitment to conform to accreditation conditions and applicable standards.

The medical center's medical rehabilitation programs assist nearly 1,000 patients and families per year.

Cooperative extension seeks associate director

Penn State Cooperative Extension is seeking candidates for the position of associate director.

The associate director provides leadership and administration for the day-to-day operations and reports to and supports the director, who also serves as associate dean in the College of Agricultural Sciences and associate vice president for University Outreach.

Specific responsibilities include:

- providing leadership, advocacy and facilitation in support of cooperative extension programming;
- ensuring implementation of policies and procedures related to program planning, delivery and evaluation;
- ensuring implementation of policies and procedures related to fiscal and human resource management;
- providing leadership for outreach to diverse clientele, including responsibilities related to affirmative action, civil rights and equal employment opportunity;
- communicating policies, procedures and processes to internal and external audiences;
- facilitating close working relationships and effective collaborations within the college, with other University outreach partners and with other colleges' programs within the University;
- establishing and maintaining close working relationships and collaborations with external constituencies and local, state and federal government agencies; and

■ ensuring compliance with all applicable institutional, state and federal reporting requirements.

Candidates must have an earned doctorate in a discipline or a combination of disciplines that provide strong background for day-to-day operational leadership of a large, complex cooperative extension organization. Significant evidence of successful experience in leading and administering cooperative extension and outreach programs is required. Demonstrated excellence in leadership; effective interpersonal, communication and organizational skills; and experience in securing and managing funding to enhance cooperative extension and outreach programming are essential. This is an academic administrator position with a tenured faculty appointment if appropriate.

Candidates should submit a letter of application, curriculum vitae, two-page summary of their view of the challenges facing a leading cooperative extension organization and complete contact information for four references. Send information to: Theodore R. Alter, director, Penn State Cooperative Extension, 217 Agricultural Administration Building — Box SRCH, University Park, Pa. 16802-2600.

Submissions will be reviewed beginning July 15 and continue until a suitable candidate is identified.

More information about Penn State Cooperative Extension can be found at <http://www.extension.psu.edu>.



Promotions

Technical Service

Roger K. Curley, group leader maintenance worker, utility at Penn State DuBois
Dennis J. Dufby, maintenance worker, utility at Penn State DuBois
Gregg A. Heston, maintenance worker, steam train in Office of Physical Plant
Donald C. Robertson, maintenance worker, general at Penn State DuBois
Richard L. Zions, general helper/repairer in Housing and Food Services

Staff

Thomas J. Aterio, lead applications programmer/analyst in Division of Outreach and Cooperative Extension
Yvette J. Banks, staff assistant IV at Penn State Abington
Robin L. Becker, marketing manager in Computer and Information Systems — Center for Academic Computing
Deborah A. Berkich, senior research support associate in College of Medicine, Hershey Medical Center
Dana L. Beveridge, program aide at Penn State Beaver
Jeffrey A. Bleam, lead applications programmer/analyst in Computer and Information Systems — Administrative Systems
Julie H. Billotte, staff assistant IV in Applied Research Laboratory
Judy A. Boone, staff assistant VII in Division of Development and Alumni Relations
James E. Boston, assistant director, housing and food services at Penn State Altoona
Stephen P. Brawley, associate director in Office of the Vice President for Research
Sherry A. Brennan, director of development I in Division of Development and Alumni Relations
Paulo M. Brown, assistant ticket manager in Intercollegiate Athletics
Theresa A. Brundage, staff assistant V in Business Services
Esther A. Cali, fee assessor in Office of the Corporate Controller
Rhonda J. Carter, staff assistant VII at Penn State Erie
Vicki K. Carter, senior instructional designer in Commonwealth College
Janet L. Cherry, staff assistant VII in Division of Development and Alumni Relations
Brandy L. Connelly, staff assistant VI in Division of Development and Alumni Relations
Raymond C. Crew, research support associate in College of Agricultural Sciences
Theresa F. Cummins, business manager III in Housing and Food Services
Bonnie B. Dellinger, senior technician, research in College of Medicine, Hershey Medical Center
Amy B. Edmonds, staff assistant VII in Office of the Corporate Controller
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Lisa M. Freas, senior technician-research in College of Medicine, Hershey Medical Center
Linda K. Garitz, staff assistant V at Penn State Beaver
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Richard S. Genovese, lead applications programmer/analyst in Division of Outreach and Cooperative Extension
Gail E. Gray, financial aid coordinator at Penn State Beaver
Lisa R. Green, senior applications programmer/analyst in Office of Budget and Resource Analysis
Lydia R. Grimm, staff assistant IX in Office of the Vice President for Research
Li Guan, project data specialist II in College of Engineering
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Debra L. Haddad, staff assistant VII at Penn State Beaver
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Shing-Fen Kao, research support associate in College of Medicine, Hershey Medical Center
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Cynthia D. Raynak, senior instructional designer in Commonwealth College
Jodi A. Rice, senior applications programmer/analyst in Office of Budget and Resource Analysis
Theresa L. Roby, supervisor, project planning and estimating in Business Services
Matthew J. Scott, manager, network and information systems in Computer and Information Systems — Center for Academic Computing
Gerald B. Seeger, personal computer LAN management analyst, intermediate in Applied Research Laboratory
Cheryl A. Seybold, manager, information systems technical support in Division of Outreach and Cooperative Extension
Amy L. Sharer, senior data management analyst in Division of Development and Alumni Relations
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Peggy S. Smeltzer, staff assistant VI in Office of Student Affairs
Heather M. Smith, staff assistant VI in College of Agricultural Sciences
Marcia B. Smith, staff assistant VI in Division of Development and Alumni Relations
Stephanie L. Snook, senior applications programmer/analyst in Office of Budget and Resource Analysis
Judith A. Snyder, external relations assistant in Commonwealth College
Linda J. Sottis, assistant student aid coordinator in Office of Student Aid, Office of the Vice Provost and Dean for Enrollment Management and Admission
Amy I. Spangler, external relations assistant in School of Information Sciences and Technology
Gwen E. Spotts, staff assistant VI at Penn State Schuylkill
Sherry L. Strick, staff assistant VII in Division of Development and Alumni Relations
Brady M. Stroh, senior project associate at Penn State Harrisburg
Cheryl A. Strouse, graduate enrollment assistant in The Graduate School
Linda M. Struble, library assistant I at University Libraries
Christine M. Surrovec, staff assistant VII in Division of Outreach and Cooperative Extension

Kirk M. Swanson, development assistant in Division of Development and Alumni Relations
Beth A. Swartz, staff assistant IX at Penn State Harrisburg
Tim A. Swarner, project coordinator II in Office of Physical Plant
Neda L. Thompson, staff assistant VI in Student Affairs
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Tami L. Torquato, staff assistant VIII in College of Agricultural Sciences
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Amanda A. Weaver, staff assistant V in Office of Student Affairs
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Tracy D. Weaver, writer-editor in Housing and Food Services
L.B. Wenger, architect II in Office of the Physical Plant
Caroline V. Wernuth, library supervisor II in University Libraries
Sabrina M. Wert, staff assistant V in Office of Physical Plant
Jane C. Wettstone, staff assistant V in Office of Student Affairs
Patricia M. Wiesman, program aide in College of Medicine, Hershey Medical Center
Seth R. Williams, systems coordinator in Applied Research Laboratory
William G. Witherite, inventory/computer control specialist in Business Services
Martin J. Williams, network coordinator in Computer and Information Systems — Telecommunications
Karen S. Woerner, assistant coordinator, research funds in Office of the Vice President for Research
Susan E. Wykoff, staff assistant IV in Division of Outreach and Cooperative Extension
Scott A. Yeager, admissions counselor III at Penn State Shenango
Michele L. Yon, senior research technologist in College of Agricultural Sciences
Karen R. Zeigler, financial and accounting assistant in College of Health and Human Development
Elizabeth M. Zielinski, staff assistant VI at Penn State Erie



Partings

Ellen Perry, associate athletic director, to retire after nearly 40 distinguished years

Ellen Perry, associate athletic director and senior woman administrator, will retire June 30 after a distinguished career spanning almost 40 years in teaching, coaching and athletic administration.

A member of the Nittany Lions' athletic staff since 1966, Perry has served as associate athletic director since 1989. She has management oversight responsibilities with the University's 14 women's sports as well as Student-Athlete Services for the approximately 800 Nittany and Lady Lion student-athletes.

Perry and her predecessor, Della Durant, are primarily responsible for the implementation and growth of the women's sports programs at the University. A 1963 graduate of Tufts University, Perry began her career in intercollegiate athletics as a physical education instructor at Bucknell University. In 1966, she accepted a graduate assistantship at the University, coaching the women's lacrosse team and teaching physical education.

Perry earned a bachelor of science in education at Tufts. Following three years at Bucknell, she came to the University in 1966 to earn a master's in education degree, which she completed in 1969. In her second year at Penn State, she started



Ellen Perry

a women's club swimming program. In 1970, women's swimming and diving earned varsity status, with Perry serving as coach.

In 1981, Perry was named assistant to the athletic director. Her primary concentration was in Student-Athlete Services until she was promoted to senior woman administrator in 1989.

An assistant professor of exercise and sports science in the College of Health and Human Development, Perry taught from 1966 until the mid '80s. She was a longtime member of the Faculty Senate. She sits on the Senate Committee on Intercollegiate Athletics and is member of the Commission for Women's athletics committee. She also was a member of the Big Ten's primary administrative body—the Joint Group—and was chair of the Women's Athletic Administrators Group in 1992-93.

In January 2000, Perry was appointed to the NCAA Division I Management Council, the group of nationwide athletic administrators and faculty representatives that forwards legislative recommendations to the NCAA Division I board of directors.

For the full story, check the Web at <http://www.gopsusports.com/pressreleases/pressrelease.cfm?annid=2766>.

Art professor of 29 years ends University career

Stephen Porter, professor of art, is retiring after 29 years at the University.

He joined the College of Arts and Architecture in 1973, after completing his master of fine arts and serving as a professor of art at Cornell University from 1971 until 1973.

Porter taught sculpture at the University until 1995. In 1988, Porter began pioneering the use of digital media in art classes. In 1997, he began teaching computer animation. He also established the first computer lab in the School of Visual Arts with help from James Moeser, then-dean of the College of Arts and Architecture.

Porter has participated in numerous exhibitions and created commissioned sculptures for a variety of institutions. He won the 1977 Art in Public Spaces competition sponsored

by Art Museum in Elmira, N.Y.

His most recent exhibitions include one-man shows at Butters Gallery in Portland, Ore., in 2000, and Hooks-Epstein Gallery in Houston and Southern Alleghenies Museum of Art, Altoona location, in 1998. He has participated in a number of group exhibitions.

Porter's writings have appeared in several articles and he also has served as a panelist at numerous conferences regarding computer use in sculpture, modeling and rendering classes.

Upon retiring, Porter will move to Maine. He will continue to create and exhibit his sculptures, and he will teach digital media and animation at The Maine Photographic Workshops and Rockport College in Rockport, Maine.

Lehigh Valley physics professor plans retirement

Alfred A. Actor, professor of physics at Penn State Lehigh Valley, has announced his retirement, effective in July.

Actor joined the faculty in 1981. He earned his bachelor's degree in physics from Stanford University and his doctoral

degree in theoretical high-energy physics from the University of California at Los Angeles.

Actor has taught and lectured in Spain, Germany, England, China, India and other countries over the past 21 years. *by J. J. J. J.*

School of Theatre says goodbye to Anne Gibson

Anne Gibson, professor emerita of theatre arts and Fellow emerita of The Institute of the Arts and Humanistic Studies, is retiring after 34 years of service in the School of Theatre.

Gibson also was head of the master of fine arts design program.

Her retirement is marked by her scenic design for the school's spring production of "Anything Goes." It is her 130th scenic design at the University.

Gibson is a national figure in scenic design, with a repertoire ranging from classical to musicals, including world premiere plays. In 1994, she was awarded the University Faculty Scholar Medal for her scenic design. She has designed productions for The Kennedy Center, The Woolly Mammoth Theatre Company, Theatre J, Round House and Theatre of the First Amendment, all in Washington D.C. Gibson also

has designed sets for the Utah Shakespearean Festival, Oregon Shakespeare Festival, The Repertory Theatre of St. Louis, Milwaukee Repertory Theatre, Actor's Theatre of Louisville and Off-Broadway productions.

She has taught at Cornell University, California State University at Long Beach, Florida State, Utah State and Stephens College. Gibson will continue to design for the theatre, primarily in the Washington D.C. area, and she looks forward to involving herself in other design projects.

Before leaving the School of Theatre this month, Gibson will complete the initial design work for "Dames at Sea" for Pennsylvania Centre Stage, opening in July.

She also will take a group of graduate students in theatre design and technology to Rome, where they will conduct site-specific research for various projects.

Associate professor bids adieu to University

Robert W. Koehler, the PricewaterhouseCoopers' Faculty Teaching Fellow in accounting and associate professor of accounting in The Smear College of Business, will retire on June 30, after 39 years of service to the University.

Koehler served as coordinator for the Accounting Internship Program from 1968-1993, supervised numerous master's theses and undergraduate honors theses and served on several committees. He has

served as faculty director of Smear College's Schreyer Honors Program since 1994.

His areas of expertise include managerial and cost accounting and his research has appeared in numerous journals. During his career, Koehler has received other accolades for his teaching abilities. He received his bachelor's and master's degrees from Penn State in 1958 and 1960 respectively and his doctorate from Michigan State in 1967.

Employee says farewell after 30 years of service

Michael E. Fetchu, assistant supervisor of property inventory in the Office of the Corporate Controller, retired after more than 30 years working at the University.

He began his University career in September 1965, working in Technical Service for a short time before moving to the Office of the Corporate Controller. Fetchu

remained with the office for the rest of his career, holding several different positions there.

Although he has retired, Fetchu will continue to run a lawn service business. He plans to enjoy hunting and fishing, build onto his hunting camp and work with his wife on plans to build a new home.

Human Resources assistant retires from Smear

Rita Berg, Human Resources assistant in The Smear College of Business Administration, retired April 30 after 30 years of service with the University.

Berg began her University career in the Admissions Office. She later moved to a

position in the College of Human Development (now the College of Health and Human Development) before joining The Smear College of Business Administration. She joined the Human Resources Office staff in 1983.

Emeritus rank bestowed upon 2 former employees

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

Raymond O. Murphy, staff vice president emeritus for student affairs in Office of

the President, from July 15, 1960, to Aug. 16, 1985.

Leon H. Sibul, senior scientist emeritus and professor emeritus of acoustics in Applied Research Laboratory, from Oct. 5, 1964, to Feb. 16, 1982. *by J. J. J. J.*



Penn Staters

Syed Saad Andaleeb, professor of marketing at Penn State Erie, recently returned from Bangladesh, where he designed and conducted a research methodology workshop with faculty members from six private and public universities.

Gerald "Chip" Baumgardner, associate professor of business administration in the School of Business and Computer Technologies at Pennsylvania College of Technology, received an Award for Innovative Excellence in Teaching, Learning and Technology at the 13th International Conference on College Teaching and Learning in Jacksonville, Fla. He also was honored for his research paper, "Debunking the Myths of Online Education," which was designated an Award-Winning Conference Paper.

James G. Beierlein, professor of agricultural economics, has been appointed case study editor of the *International Food and Agribusiness Management Review*. The journal is published by the International Food and Agribusiness Management Association, the largest international association of business, government and academics devoted to improving the efficiency of the world's food and fiber system.

Patricia A. Book, associate vice president for outreach and executive director of Continuing Education, has been elected chair-elect of the board of directors for Global Associates, a knowledge network of the University Continuing Education Association.

Elsworth R. Buskirk, Marie Ungerhull Noll professor emeritus of human performance and director emeritus of the Laboratory for Human Performance Research, received the Ray G. Daggs Award. This award was given in recognition for Buskirk's service to the American Physiological Society.

Marvin Goldberg, professor of marketing and chair of the Department of Marketing, was the keynote speaker at an international conference devoted to marketing efforts aimed at children. Goldberg's presentation, "Children and Materialism in the New Era," was given at the Ninth Annual Kid Power Spring Conference at Disney's Grand Floridian Resort and Spa in Orlando, Fla.

Virginia Imadojemu, assistant professor of medicine in the College of Medicine, was recognized with a Technology All Star Award at the 2002 Women of Color Health, Science and Technology Awards Conference in Nashville.

Reza Kamali, associate professor of computer science in the School of Business and Computer Technologies at Penn College, has been elected as an officer and vice

chair for education for the newly formed Society for Information Technology Education. Kamali received the honor at a society conference in Savannah, Ga. Kamali also was recognized for his conference presentation and his efforts as chairman of the curriculum and accreditation committee formed last fall at an information-technology conference held by Brigham Young University. **Jacob R. Miller**, associate professor of computer science, contributed to curriculum-proposal efforts.

Iam-Choon Khoo, distinguished professor of electrical engineering, presented a seminar on "Nonlinear Photonics of Liquid Crystals" at the Physics Department at Chalmers Institute of Technology, Göteborg, Sweden, where he also was recently appointed an external doctoral thesis examiner.

Sridhar Komarneni, professor of clay mineralogy in the Department of Clay and Soil Sciences and Materials Research Institute, gave a plenary lecture, "Nanophase Materials by Novel Microwave-hydrothermal Process," at the International Union of Pure and Applied Chemists Workshop on Nanostructured Advanced Materials in Bangalore, India.

John Lamancusa, professor of mechanical engineering and director of the Learning Factory, was elected to the American Society of Engineering Education's board of directors. He will serve a two-year term as chair of Professional Interest Council I.

Raj Mitra, professor in electrical engineering, was an invited speaker and session organizer at the International Symposium CEMO2 meeting in Bournemouth, England. The theme of the meeting was "Computational Electromagnetics," and it was sponsored by the Institute of Electrical Engineers in England.

Robert E. Newnham, professor emeritus of solid state science and Materials Research Institute, has been named an honorary member of the Ceramic Society of Japan. The award was given in recognition of his many contributions to the field of electroceramics. Newnham recently returned from the Hong Kong Polytechnic University in Kowloon where he served as chair professor of solid state science in the Department of Applied Physics.

Andre Prevos, associate professor of French at Penn State Worthington Scranton, was co-chair and co-organizer of a session, "Transatlantic Hybridities: American Popular Music in Europe," at the European Association for American Studies meeting in Bordeaux, France. Prevos also read a

paper titled, "Gospel Music in France: Adoption and Adaptation."

Adam Rome, assistant professor of history, won the Frederick Jackson Turner Award presented by the Organization of American Historians at its annual meeting in Washington, D.C. The award honors an author's first book that deals with a significant phase of American history. Rome's book is *The Bulldozer in the Countryside: Suburban Sprawl and the Rise of American Environmentalism*, published by Cambridge University Press in 2001.

The University Ambulance Service was one of seven nationwide to be recognized by the National Collegiate Emergency Medical Services Foundation this year with its Striving for Excellence in Campus EMS designation. The University was recognized during the ninth annual conference of the group, held in Stony Brook, N.Y.

Steven Sawyer, associate professor of information sciences and technology and associate professor of management science and information systems, made presentations at two universities in the United Kingdom. Sawyer covered "Socio-technical Structures in Enterprise Systems Implementation: Evidence from a Five-Year Study" at Brunel University in London and at Bath University in Bath.

Elizabeth J. Susman, Jean Phillips Shibley professor of biobehavioral health, has been elected president-elect of the Society for Research on Adolescence. She will begin her two-year term as president in 2004.

Mirna Urquidí-Macdonald, professor of engineering science and mechanics, and **Digby Macdonald**, professor of materials science, presented "Modeling the Impact of Feed-water Oxygen and Water Radiolysis on Primary Circuit ECP in PWRs" at the International Conference on Water Chemistry in Nuclear Reactors in Avignon, France. The presentation was part of a workshop on state-of-the-art developments in radiation chemistry and radiolysis effects on electrochemistry and corrosion.

Vasundhara V. Varadan, distinguished professor of engineering science and mechanics, has been appointed division director for electrical and communication systems at the National Science Foundation through Feb. 10, 2004. The appointment is part of the Intergovernmental Personnel Act Mobility Program, which promotes mutually beneficial sharing of personnel among government, academia and eligible non-profit organizations.

Keith Vermer, professor in the College of Medicine, has been honored by the Technology

Council of Central Pennsylvania for an educational program he created to get schoolchildren interested and engaged in learning about science. The program, Penn State Lab-Lon, won the Best Application of Technology Award at the council's 10th Annual Technology Awards. In addition, Vermer was one of three nominees for the TCCP's Technology Educator of the Year Award.

Paul S. Weiss, professor of chemistry, gave an invited talk at the Nanotech 2002 meeting on Japanese business applications of and investments in nanotechnology, which was held in the International Exhibition Hall and International Conference Hall of the Nippon Convention Center near Tokyo. His lecture was titled "Single-Molecule Electronics and Measurements."

Eric R. White, executive director in the Division of Undergraduate Studies, has been selected as the recipient of the Virginia N. Gordon Award for Excellence in the Field of Advising as part of the 2002 National Academic Advising Association's National Awards Program. This award is presented to a National Academic Advising Association (NACADA) member who has made significant contributions to the field of academic advising. The more than 6,500 NACADA members consist of faculty, professional advisers, administrators, counselors and others in academic and student affairs concerned with the intellectual, personal and vocational needs of students. In addition, NACADA represents academic advisers and serves as an advocate for academic advising.

Alexander Wolszczan, Evan Pugh professor of astronomy and astrophysics, has received the Humboldt Research Award for senior U.S. scientists from the Alexander von Humboldt Foundation in Bonn, Germany. The award includes a grant and support for research at German universities of the recipient's choice for a period of one year.

Christopher Wronski, professor of electrical engineering, presented an invited paper at Rio '02 World Climate and Energy Event, a conference sponsored by the government of Brazil. Titled "Progress in Amorphous Silicon Solar Cell Technology," the paper reviewed the progress in and the challenges facing thin film solar cell technology for terrestrial power applications.

Xumu Zhang, associate professor of chemistry, has been selected to receive the Arthur C. Cope Scholar Award of the American Chemical Society. He is one of four selected worldwide in 2002 to receive the award, which is given in recognition of excellence in the field of organic chemistry. The award is accompanied by an unrestricted research grant.



Focus on Research

Methods of detecting computer network intruders rated

By BARBARA HALE
Public Information

A team of Penn State and Iowa State researchers has tested and rated three "smart" classification methods capable of detecting the telltale patterns of entry and misuse left by the typical computer network intruder and found that one, called "rough sets," currently overlooked by the industry, is the best.

The researchers report that computer security breaches have risen significantly in the last three years. In February 2000, Yahoo, Amazon, E-Bay and E-Trade were shut down due to denial-of-service attacks on their Web servers. The U.S. General Accounting Office (GAO) reports that about 250,000 break-ins into federal computer systems were attempted in one year and 64 percent were successful. The number of attacks is doubling every year and the GAO estimates that only 1 percent to 4 percent of these attacks will be detected and only about 1 percent will be reported.

Chao-Hsien Chu, associate professor of information sciences and technology and of management science and information systems at Penn State, began the study when he was on the faculty at Iowa State University. His Iowa State co-researchers are Dan Zhu, assistant professor of management information systems, and G. Premkumar, associate professor of management information systems; and Xiaoning Zhang, Chu's former master's student.

"No network security system or firewall can ever be completely foolproof," Chu said. "So there is always a need for a 'watchdog' to patrol the network and signal when an intrusion occurs. Commercially available 'watchdog' systems depend on traditional statistical techniques. However, the newer 'smart' methods promise to have a significant impact on accuracy."

Even the cleverest intruder leaves electronic footprints on breaking and entering a secure computer data network such as bank, medical or credit records. The new "smart" methods can collect information from a variety of sources within the network, "learn" the patterns typical of a perpetrator trying to gain a level of control similar to that of the people who legitimately operate the network, and make a reasoned prediction about whether the pattern represents intrusion or not.

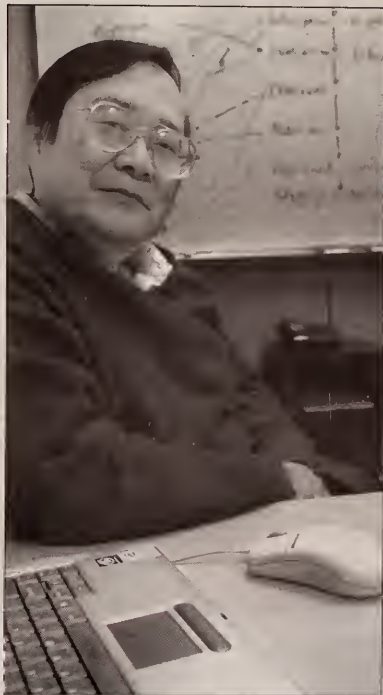
The team focused on three "smart" approaches, known as data mining techniques, namely: neural nets, inductive learning and rough sets. All three data mining techniques can collect information, "learn" and make reasoned predictions.

Neural nets and inductive learning have previously been used in intrusion detection and research by others has found these methods to be successful and effective. Chu noted that rough sets, a relatively new approach, has not been applied to intrusion detection. The researchers said their study is the first to evaluate and compare multiple data mining methods, including rough sets, in the intrusion detection context.

The researchers reported that the rough sets method does not require any preliminary or additional information about the data and can work with missing values and less expensive or alternative sets of measurements. The method can work with imprecise values where a pair of lower and upper approximations replaces imprecise or uncertain data. It is also able to discover important facts hidden in the data and express them in the natural language of decision rules.

A powerful method for characterizing complex, multidimensional patterns, rough sets have been successfully applied in knowledge acquisition, forecasting and predictive modeling, and decision support.

In their study, the team used data from the privileged program



Chao-Hsien Chu, associate professor of information sciences and technology and of management science and information systems, has researched methods of detecting computer network invasion.

Photos: Greg Gierco

sendmail, a program in use in virtually every Unix site that has e-mail.

The average classification accuracy rate for the three programs was as follows: rough sets 75.68 percent accurate; neural nets 69.78 percent accurate; and inductive learning 51.16 percent accurate.

In addition, the team found that training the programs on equal amounts of normal and abnormal sequences leads to better learning and a more accurate classification. Whether the data were represented as binaries or as integers, (neural nets cannot use both), did not significantly affect performance.

Barbara Hale can be reached at bah@psu.edu.

FROM THE EXPERTS

Tree advice drives home importance of care, inspection

When it comes to buying trees, a University horticulturist suggests consumers treat a tree purchase with the same care they would use when buying a new car — after all, chances are the tree will be around longer than the car.

"While an ornamental tree is nowhere near the price of a new car, you can save time, money and frustration by making sure your new tree is top quality," said J. Robert Nuss, professor emeritus of ornamental horticulture in the College of Agricultural Sciences.

Nuss suggested inspecting the tree's general appearance first. The trunk should be reasonably straight and the crown of the tree should be symmetrical. "When you closely examine the crown, no branches should extend from the trunk at angles less than 45 degrees," Nuss explained. "Narrow branch angles can cause structural problems as the tree grows."

Close observation of the tree's trunk, can reveal problem areas that are "easily" recognizable, even to the freest of gardeners. He suggests shoppers look for:

■ **Damage.** Check for signs of cuts, scrapes or recent pruning. "A wound that is more than a quarter of the trunk's circumference is too large and can affect future health."

■ **Flaws.** Look for areas that are discolored, sunken or swollen, all of which indicate problems beneath the bark.

■ **Borer damage.** "Check for small circular holes in the bark," Nuss said.

■ **Cracks.** Frost damage can result in shallow cracks in the bark.

Nuss offers some general guidelines to estimate tree growth and health:

■ A trunk diameter of 1½ inches translates to a tree between 9 and 13 feet tall. The root ball should be at least 20 inches in diameter.

■ A trunk diameter of 2 inches translates to a tree between 13 and 15 feet tall. The root ball should be at least 24 inches in diameter.

■ A 3-inch trunk diameter should be found on a tree between 14 and 16 feet tall. The root ball should be at least 32 inches in diameter.

■ The size of the root ball should be roughly proportional to the crown, or area of branch spread, of the tree. "If the root ball is too small, it may not have enough roots to establish the tree," he said.

"Once you buy the tree, it's important to care for it," Nuss said. "Plant it as soon as you get home. If that's not possible, make sure to keep the root ball out of the sun and keep the burlap moist."

Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
assistant/calendar

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Under construction



Construction is at its peak during the summer, when most students are gone. Current projects on the University Park campus include, counter-clockwise from top: construction of the Information Sciences and Technology Building; an addition to the Eisenhower Parking Deck; construction of the HUB Plaza on Pollock Road; and an addition to the Nittany Parking Deck and reconstruction of the parking lot near The Nittany Lion Inn. To help people find their way around the campus, especially during student arrival times, the Office of Physical Plant has plenty of directional signs ready to put into place, below. For University Park construction information, check the Web at <http://www.opp.psu.edu/cnst/cnst.htm>.



Photos by Greg Grieco

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Intercom

INFORMING THE PENN STATE COMMUNITY

JUNE 20, 2002

University is a big hit at the legendary Apollo Theatre

By MELISANDE McCRAE
Public Information

HARLEM — Guidance counselors, community leaders and high school students from the New York City area gathered at the historic Apollo Theatre in Harlem last week — not for a major musical or theatrical performance, but for an annual "Get to Know Penn State" recruitment event.

The Apollo Theatre setting was coordinated by the University's New York regional recruiting office, and is intended to give prospective students a better understanding of the many opportunities available at Penn State.

"Penn State is a popular university for Pennsylvania high school graduates, but it also has been an institution that opens its doors and provides opportunities for many people living in New York and New Jersey," said President Graham B. Spanier.

"We came here to the Apollo Theater in particular to reach out to prospective African-American students, who have historically been underrepresented at the University, to let them know that Penn State University is a name known around the world. We want them to become a part of the large Penn State family and we want them to know we will help them achieve their goals in life.

Apollo, back page

Rao honored at White House

Emeritus professor wins National Medal of Science

By ANNEMARIE MOUNTZ
Public Information

WASHINGTON, D.C. — More than 200 people gathered in the East Room of the White House June 12 to witness the awarding of 15 National Medals of Science and five National Medals of Technology. Among those honored was Calyampudi R. Rao, emeritus holder of the Eberly Family chair in statistics and director of the Center for Multivariate Analysis at Penn State.

Rao received the award for "his pioneering contributions to the foundations of statistical theory and multivariate statistical methodology, and their applications, enriching the physical, biological, mathematical, economic and engineering sciences." The medal is the nation's highest award for lifetime achievement in fields of scientific research.

This was Rao's second trip to the White House, but his first as an honored guest.

"My first trip was a long time ago, around 1953. I was at the White House on a visitor's tour," explained Rao.

This time he was at the center of attention. Rao's day started with a reception for all awardees held by the National Science Foundation, and he found himself being led throughout the day



President Bush places the National Medal of Science around Calyampudi R. Rao's neck. Rao was one of 15 laureates to be recognized in the White House East Room on June 12.

Photo: Greg Gileco

Intercom to see timely changes

From the editors of Intercom

As a weekly print publication in an electronic, instant-information world, *Intercom* has had difficulty keeping the faculty and staff of Penn State informed with the latest information about where they work. That task becomes nearly impossible during the summer months, when *Intercom* publishes twice a month.

News of interest to faculty and staff often is reported through several other media outlets long before it appears in *Intercom*.

To address these issues, and to make more efficient use of our limited financial resources, *Intercom* is changing. This issue will be the last printed issue of *Intercom* for the summer. We will resume a weekly publication schedule beginning with the Aug. 29 issue. Beginning in July, all faculty and staff will receive their *Intercom* news via e-mail.

Changes, page 2

Columns, urns evoke Greece

By JULIE A. BRINK
Public Information

Don't look now, but people are being watched.

Someone or something has had his/her/its eye on passersby in central campus since the 1920s. Rows of grinning gargoyles, lions with gaping mouths, gaze down from parapets of Sparks and Burrowes buildings.

The lion heads are an example of the architectural details common in academic buildings constructed in Beaux Arts-Classical or Colonial Revival styles, according to Scott Wing, associate professor of



Architecture, page 6

Rao

Continued from page 1

from reception to reception, with time taken out to speak to the media that had gathered to cover the event.

"This morning's reception was very nice," Rao said. "We had the opportunity to talk with each other, learn about each other's work."

At the White House, Rao and the other laureates had a chance to talk informally with President Bush about the importance of their scientific contributions and the role they play in the country.

"It was quite informal, very nice," Rao said. "For a president to take that time to chat with us is very good. I told him that he was doing a great service in making the world a better, safer place to live in. He was very pleased by my comments, and he told me we are going to win the war."

In his introduction of the laureates, Bush thanked them for their contributions to society.

"The science and technology leaders here today have turned genius and persistence into knowledge, technology that will shape lives for decades to come," Bush continued. "All of our honorees, and their colleagues throughout the United States, are asking questions whose answers will improve lives not only here at home, but around the world."

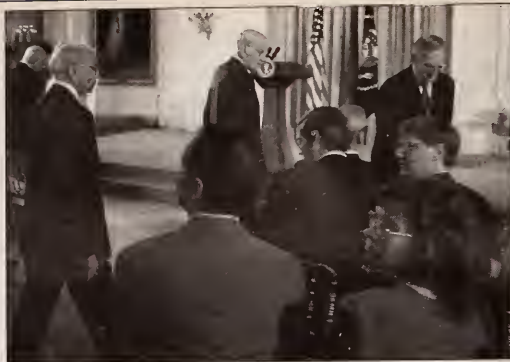
Bush emphasized the importance of research conducted by the laureates and their colleagues, and the innovation it produces.

"Innovation helps Americans to live longer, healthier and happier lives. Innovation helps our economy grow, and helps people find work. Innovation strengthens our national defense and our homeland security, and we need a strong national defense and homeland security as we fight people who hate America because we're free."

After his remarks, Bush and John Marburger, director of the Office of Science and Technology Policy, presented the National Medals of Science to Rao and his fellow laureates.

"It is a great honor for me to receive the National Medal of Science," Rao said. "It is a unique honor to receive, especially since I come from India."

The National Science Foundation



Calyampudi R. Rao, left, filed into the East Room of the White House with the other winners of the National Medal of Science. For more information about Rao, check the Web at <http://www.psu.edu/ur/extra/2002/rao/rao.html>.

Photo: Greg Grieco



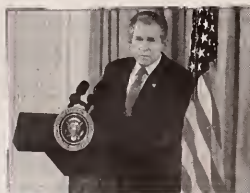
More than 200 guests and dignitaries were present in the East Room of the White House for the presentation of the medals.

Photo: Annemarie Mountz



Calyampudi R. Rao brought his family to the East Room of the White House to see him receive the National Medal of Science.

Photo: Greg Grieco



President George W. Bush lauded the laureates as prophets of a better age who see the future before a lot of people see the present.

Photo: Greg Grieco



Both before and after the awarding of the medals, the U.S. Marine Band played in the Grand Foyer outside of the East Room of the White House.

Photo: Greg Grieco



Calyampudi R. Rao posed with his National Medal of Science outside the White House after the ceremony.

Photo: Greg Grieco

administers the National Medals of Science for the White House. Congress established the National Medals of Science in 1959. The latest awards bring to 401 the total number of science medals awarded since its inception.

Rao is the second Penn State faculty member to receive this award.

Erwin W. Mueller, Evan Pugh research professor of physics, was awarded the

medal by President Jimmy Carter posthumously in 1977 "for his invention of the field-emission microscope, the field-ion microscope and the atom-probe microscope, which helped to resolve the atomic structures of solids."

Annemarie Mountz can be reached at AMountz@psu.edu.

Changes

Continued from page 1

Over the last few years, several thousand employees have chosen this more timely way to receive their news about Penn State by subscribing to the Employee Newswire. This free service from the editors of *Intercom* is published via e-mail once or twice a week and often is tied to larger stories and photos on the Web. It has been popular with those who receive it, and has proven to be a

very timely way to inform faculty and staff.

Beginning in July, the Employee Newswire will change to include timely information about sudden road changes, unexpected parking deck closings, and the latest pay and benefits information, as well as more timely information about employee appointments, parings, promotions, awards and other news of record. To reflect its con-

nection to *Intercom*, the faculty/staff newspaper of Penn State, it will change its name to the Penn State Faculty/Staff Newswire.

The Penn State Faculty/Staff Newswire will allow employees to keep in touch with the University while they're away for the summer or traveling on business. It also will enable faculty and staff to be among the first to get news about Penn State, before it

appears in other media outlets.

Anyone with questions or comments about this change can e-mail Annemarie Mountz, editor of *Intercom* and the Faculty/Staff Newswire, at AMountz@psu.edu.

Faculty and staff also can continue to find all the regular coverage from the print version of *Intercom* on the Web at <http://www.psu.edu/INTERCOM/>.

NEW AT PENN STATE



W. Bosseau Murray, doctor of anesthesiology at Penn State Hershey Medical Center, left, introduced faculty on the annual Road Scholars tour to SimMan. Carla Miller, assistant professor of nutrition at University Park, listened to the patient's lungs. The School of Health Sciences at Penn College recently got its own SimMan.

Photo: Annemarie Mountz

'SimMan' aids health-care students

"SimMan" may wheeze, his pulse may race, his blood pressure may soar, and he may even go into cardiac arrest, but no matter how grave the medical malady, he always recovers.

The 6-foot-tall, computer-controlled patient simulator has taken up residence in the School of Health Sciences at Pennsylvania College of Technology, where students in nursing and other health-care majors will be able to test their diagnostic and decision-making skills in realistic training scenarios.

SimMan can be programmed to make audible heart, lung and bowel sounds; exhibit multiple airway complications; and

cough, vomit, moan and speak to those providing his care.

Students can take his pulse and blood pressure, perform cardiopulmonary resuscitation on him, insert a chest tube, insert IVs into his veins and perform urinary catheterization. SimMan even can complain when he's not happy with the care he's receiving.

More advanced clinical scenarios are available with SimMan's standard software package, and faculty also will be able to create their own specialized training circumstances for students. While there already is a hands-on clinical aspect to the nursing students' training, SimMan can offer some situations that were previously unavailable.

APPLIED RESEARCH LABORATORY PROMOTIONS

The following Applied Research Laboratory staff engineers have been approved for promotion, effective July 1.

TO ASSOCIATE RESEARCH ENGINEER

Kyle L. Ayres
Terri A. Merdes
Gregory A. Meyer
Lynne R. Stewart

TO RESEARCH ENGINEER

Kenneth L. Hillisley
Scott W. Lang
I. Scott McClellan

TO SENIOR RESEARCH ENGINEER

William C. Zierke

3 selected as Administrative Fellows

By ALLISON KESSLER
Public Information

Three administrative fellows have been chosen for 2002-03. Those selected are:

■ Josephine M. Carubia, coordinator of Student Programs and Service Learning in the Schreyer Honors College. Her mentor will be Darrell G. Kirch, senior vice president for Health Affairs, dean of the College of Medicine and chief executive officer at Hershey Medical Center. Carubia will be the first administrative fellow to work with a mentor outside of the University Park campus;

■ Roberta Hardin, graduation coordinator in the Office of the University Registrar/Enrollment Management and Administration. Her mentor will be William W. Asbury, vice president for Student Affairs; and

■ Ladislav M. Semali, associate professor of education in the College of Education. His mentor is Rodney A. Erickson, executive vice president and provost.

Carubia joined the University in 1997 as an instructor in English and women's studies. In 1998 she became an affiliate assistant professor of English as well as the coordinator of Student Programs and Service Learning for the Schreyer Honors College.

In her role in the college, Carubia supervises co-curricular, academic programming for 1,800 students and serves on a number of University committees. She also has created and taught innovative honors courses.

Carubia currently sits on the Coordinating Council for Outreach and Cooperative Extension; is a founding member of the Community Leadership Alliance for Service and Scholarship; and sat on both the Fulbright Review and the AIM HIGH planning committees.

She received her bachelor's degree in 1973 and her master's degree in 1978, both from State University of New York. In 1996 she completed her doctorate at Fordham University, where she wrote her dissertation on the fiction of Virginia Woolf.

From film scheduler to senior clerk to financial aid coordinator to graduation coordinator, Hardin has served the University in many capacities over a span of 25 years. She also received her bachelor's degree from Penn State in 1986.

Hardin's committee involvement is quite extensive as she has served on the Strategic Planning Committee for Enrollment Management and Administration, the Frame-

work for Diversity Assessment, the Edna Gibbs Barbour Memorial Endowed Scholarship establishment committee and the National Governors' Conference 2000, to name a few. She also has served as a mentor for the FastStart program and the Commission for Women's mentoring program.

In her current role as graduation coordinator, Hardin facilitates the graduation checkout process by providing degree audits to academic colleges, handling diploma production, coordinating the assembly and distribution of diplomas, and keeping open communications between graduation coordinators within the University Park colleges as well as the campus colleges and Commonwealth College campus locations.

Semali started at Penn State in 1992 as assistant professor and became an associate professor in 1998 specializing in language, media and literacy education. His research interests lie in social science education, international education issues, communications media and the use of technology to enhance and develop curriculum. He has taught both undergraduate and graduate courses. He also has taught at several other universities worldwide, and written numerous books and articles.

At Penn State, Semali has served as a member of numerous committees, including the University Graduate Council, the Graduate Research Committee and the College of Education's Multicultural and Diversity Task Force. As current director of the Inter-Institutional Consortium for Indigenous Knowledge, he has done much to help enhance cultural diversity at the University.

Semali received his bachelor's degree and graduate diploma from Concordia University in 1976 and 1977 respectively, two master's degrees from Stanford University in 1979 and his doctorate from the University of California, Los Angeles, in 1991.

This is the 17th consecutive year of operation for the Administrative Fellows Program, which was developed jointly in 1986 by the Office of the President and the Commission for Women. The program provides professional development opportunities for faculty and staff. By serving under the mentorship of senior administrators, fellows receive opportunities to broaden their perspectives and experiences in higher education administration. The program is especially meant to encourage women and minorities to seek these opportunities.

The 2002-03 Administrative Fellows will begin their duties in their mentors' offices at the start of the fall semester.

For more information about the Administrative Fellows program, check the Web at <http://www lions.psu.edu/cfw/>.

Allison Kessler can be reached at ack143@psu.edu.



Josephine M. Carubia



Ladislav M. Semali



Roberta Hardin



News in Brief

Postal guidelines seminar

Document Services is offering free seminars for project managers, staff assistants, graphic designers and others who are interested in receiving guidance on postage discounts, how to design and coordinate mail pieces for optimum savings and how the changes will impact departmental budgets.

New postal rate increases and mail panel design guidelines, established by the U.S. Postal Service, will take effect July 1. Various mail classes, including U.S., express, international, and bulk mail, will be affected by the changes that will impact departmental budgets.

Initial sessions are scheduled for 9:30 to 11 a.m. and 1 to 2:30 p.m. Wednesday, June 26, in 114 Hostetter Business Services Building on the University Park campus. Additional sessions will be scheduled for July.

Tours of Document Services facilities, including Addressing and Mailing, Copy Center and Printing Services, will be offered at the conclusion of each seminar. Document Services also will provide on-site training for interested departments.

To register for a session or schedule on-site training, call Cyndi Snyder at (814) 865-7544.

Visit Document Services on the Web at <http://www.DocumentServices.psu.edu>.

Walk-of-Honor dedication

The Schreyer Honors College will dedicate its Walk of Honor at 9 a.m. Saturday, July 13, at the Atherton Hall Courtyard on the University Park campus.

The college will recognize the alumni and friends who contributed to its success at the ceremony.

For information about the Schreyer Honors College, go to <http://www.shc.psu.edu>.

Copyright Office

The Copyright Clearance Office, Penn State's official connection to Copyright Clearance Center Inc., is currently accepting both complete course packets and individual articles that require copyright approval for fall semester. To ensure that packets containing copyrighted materials are reproduced in time for fall classes, faculty members are encouraged to submit materials as soon as possible. Packets not containing copyrighted materials may be

submitted as late as Aug. 12. Faculty who are unable to meet either of these deadlines should call the Copyright Clearance Office at (814) 865-2679 to make alternate arrangements.

When articles require copyright permission, the Copyright Clearance Office will submit the request within hours of receiving the article but the process can take several days or weeks. For that reason, faculty are encouraged to submit articles requiring copyright approval in advance of a complete packet in order to expedite the permissions process. Services are in line with University policy AD46: Policy Governing Copyright Clearance, found on the Web at <http://guru.psu.edu/POLICIES/Ad46.html>.

In accordance with AD17: Royalty Payments for Course Materials, found at <http://guru.psu.edu/policies/ad17.html>, the Copyright Office also can assist faculty in obtaining proper estimates for use in submitting written requests for royalty payments to department or division heads or peer committees.

For more information, check the Web at <http://www.obs.psu.edu/Copyright/cpycl.htm>.

Rates lowered

Faculty and staff traveling anywhere within the continental United States are now able to use University Park 800 Access Service to call University Park telephone numbers at a lower rate of 6 cents per minute.

Access to this service is via an 800 number and an authorization code. It allows domestic calling, intrastate and interstate, to University Park campus voice mail and data exchanges. It provides an inexpensive way to dial in to the University Park modem pool, check voice mail and call office telephone numbers.

For information, check the Web at <http://www.otc.psu.edu> and look under "Products and Services."

Food study

The food lab needs women, ages 20-45, who are not pregnant or lactating, to participate in a study beginning July 8.

Participants will be asked to eat breakfast, lunch and dinner in the lab in Henderson Building one day a week for six weeks. All meals will be provided and participants will be paid. For information, call Tanja at (814) 863-8482.

Remembering Jared



Lynn Tressler, left, administrative assistant, Office of the Board of Trustees, and Paula Annemmer, director of the Office of the Board of Trustees/associate secretary, pack boxes of toys for children undergoing treatment at Hershey Children's Hospital. The "Jared Boxes" are named in memory of a youngster ill with cancer who wanted other children to have toys at the hospital. The staff at the Office of the President helped make about 35 boxes, according to Joan Summers, staff assistant. For information on the Jared Box program, call Cindy Kolarek at (814) 353-9343 or e-mail TheJaredBox@aol.com.

Photo: Julie A. Brink

LECTURE

Teaching, learning video to be shown at library

The video, "Teaching and Learning at Penn State: A Student's Perspective," will be shown at 4 p.m. Thursday, June 27, and at 3 p.m. Thursday, July 11, in Foster Auditorium, 101 Pattee Library, University Park.

The 45-minute video is excerpted from a longer conversation President Graham B.

Spanier had with students about their perspectives on learning and instruction at the University.

Faculty and others are encouraged to attend this opportunity to hear the students' thoughts about instruction.

For information, call (814) 865-3064.

PRIVATE GIVING

Marriott gift establishes endowed professorship

A \$500,000 commitment from The J. Willard and Alice S. Marriott Foundation will enable the School of Hotel, Restaurant and Recreation Management to create the first endowed professorship in its history.

The Marriott Professorship in Lodging Operations will be used to attract and retain a senior faculty member with an international reputation in hotel operations. The senior faculty member will oversee the expansion and enhancement of the school's hospitality programs, build strategic partnerships between the school and the lodging industry, engage in

innovative and industry-responsive research and share his or her expertise with students, faculty, alumni, business leaders and government officials.

The gift that creates the endowed professorship represents the latest contribution from the Marriott Foundation to the University and the School of Hotel, Restaurant and Recreation Management. In 1989, the foundation provided funding to support construction of the Mather Building — the school's physical location at University Park campus and its Marriott Production Kitchen.

Keep on top of the latest University news through the **Employee NewsWire**. It's easy. Just go to the Web at <http://www.psu.edu/hr/newswire/> to sign up for your **FREE Employee NewsWire**, an e-mail send that goes out two or more times a week from the Department of Public Information and includes news for employees.



Appointments

Health Services names clinical director of general medicine

Bruce Jansen has been appointed clinical director of general medicine at University Health Services, the student health service at University Park campus.

In his new leadership position, he is responsible for the supervision of a clinical staff that includes 14 clinicians and 14 nurses. He will oversee the daily operations and quality improvement initiatives of the General Medicine and Urgent Care departments.

Jansen joined the University in 1998 as a University physician and was named interim clinical director of General Medicine in



Bruce Jansen

November 2001. Since 1999 he also has provided clinical supervision of medical residents in his role as an associate clinical professor of medicine in the College of Medicine at Hershey Medical Center.

A graduate of Boston College, Jansen earned his medical degree from the University of Massachusetts Medical School and served an internship and residency in family practice at St. Margaret Memorial Hospital in Pittsburgh. Jansen was in private practice in Pittsburgh from 1992 to 1998. He is board-certified by the American Board of Family Practice.

Associate director appointed to Transportation Institute

Lily Eleftheriadou, associate professor of civil engineering and a transportation research associate, has been named associate director of the Pennsylvania Transportation Institute, effective July 1. Her responsibilities will include managing educational programs, information technology and library/publications for the institute.

Eleftheriadou, a Fulbright Scholar, recently returned from the Technical University of Delft in The Netherlands. She studied the traffic operational analysis methods developed and used in the Netherlands as well as other European countries. She plans to compare her studies abroad with work conducted to improve traffic conditions in the United States.

Moses named Ferree professor in middle-American history

Wilson Moses, professor of history, has been named the Ferree professor in middle-American history in the College of the Liberal Arts.

The Ferree professorship was endowed to recognize professors who illustrate outstanding scholarship, drive and teaching ability.

Moses is the author of five books and editor of three books on leading African-American intellectuals such as W.E.B. DuBois, Frederick Douglass and Booker T.

Manager of research and administrative services named

The School of Information Sciences and Technology (IST) has named Betsy A. Wilson the manager of research and administrative services.

In her new role, Wilson will oversee IST's efforts to obtain grants for faculty research and other key programs. Her duties will range from notifying researchers of potential funding opportunities to the preparation of proposals to assuring that ongoing projects are in compliance with grant regulations and procedures.

Eleftheriadou teaches graduate and undergraduate courses in traffic operations and traffic flow theory. She joined the civil and environmental engineering faculty in 1994, and she has more than 10 years of experience as a transportation researcher directing a wide variety of projects.

Eleftheriadou received her graduate diploma in surveying and environmental engineering from the Aristotle University in Thessaloniki, Greece. She obtained her master of science degree in civil engineering at Auburn University in Auburn, Ala., and her doctorate in transportation and planning at the Polytechnic University in Brooklyn, N.Y.

Washington. Currently, he is examining other American intellectuals such as George Washington, Benjamin Franklin and Thomas Jefferson.

The Ferree professorship was endowed by the late Walter and Helen Ferree, both University alumni. Walter Ferree, who had a fascination with Martin Van Buren and collected the former president's papers, had taught American history as a faculty member at Penn State Abington and was later named professor emeritus of history.

dure, Wilson will report to David Hall, associate dean for research and graduate programs.

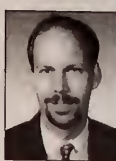
She joins IST after having served with the Department of Materials Science and Engineering for 21 years as administrative assistant.

Wilson has been active in numerous committees within the College of Earth and Mineral Sciences and a member of the University Planning Committee for Expo 2002, Center for Quality and Planning.

Risley appointed head of Department of Journalism

Ford Risley, associate professor of communications in the College of Communications, has been named head of the Department of Journalism, effective July 1. Risley succeeds Robert Richards, associate dean for undergraduate education, who served as interim head of the department for the past three years.

A member of the department since 1995, Risley earned his doctoral degree at the University of Florida, his master's degree at the University of Georgia and his bachelor's degree at Auburn University. Before teaching, he spent nine years as a reporter at several newspapers, including the



Ford Risley

Florida Times-Union and the *Atlanta Journal-Constitution*. His free-lance work has appeared in the *Dallas Morning News* and the *New York Times*.

Risley's teaching specialties include mass media history, reporting methods and online media. Earlier this year, he earned the Alumni Society Board of Directors' Excellence in Teaching Award. His research focuses on the 19th-century American press, particularly newspapers during the antebellum and Civil War periods. He is completing a book on newspaper editorials during the Civil War to be published by Greenwood Press.

New head named in the Department of Kinesiology

Philip E. Martin, professor and chair of the Department of Exercise Science and Physical Education at Arizona State University, has been appointed head of the Department of Kinesiology in the College of Health and Human Development, effective July 1.

Being appointed department head is a homecoming for Martin, who received his doctorate in biomechanics from Penn State in 1983. He also was a visiting professor in the College of Health and Human Development Biomechanics Laboratory in 1988 and received the College's Emerging Professional Award in 1989.

Martin has held various administrative positions in the Department of Exercise Science and Physical Education during his

19-year career at Arizona State.

Martin's research focuses primarily on the mechanics and energetics of locomotion tasks. He is the author of more than 50 scientific journal articles and with his colleagues has presented research findings at more than 150 conferences and meetings throughout the world.

As department head, Martin will be responsible for overseeing the daily activities of a department with nearly 30 tenure or tenure-track faculty and more than 500 undergraduate and 65 graduate students. The department has three affiliated interdisciplinary research centers: The Center for Locomotion Studies, the Noll Physiological Research Center and the General Clinical Research Center.

Smear MBA Program announces new assistant dean

F. Robert Wheeler III has accepted the position of assistant dean and director of the MBA Program in The Smear College of Business.

He will assume this new role on or about July 15. Wheeler is currently the assistant dean and director of admissions at the McDonough School of Business at Georgetown University, a position he has held for the past three years.

The Smear MBA Program is a full-time

residential program at University Park. In addition, there is a 22-week Executive MBA Program that is taught by the same faculty who teach in the full-time program.

Wheeler holds a MBA from Georgetown and a J.D. degree from Syracuse University's College of Law. Before joining the Georgetown MBA program, he served as the administrator for three Washington, D.C., law firms and as a securities and corporate attorney.

Soil microbiologist named head of Crop and Soil Sciences

David Sylvia, professor of soil microbiology at the University of Florida, has been appointed head of the Department of Crop and Soil Sciences in the College of Agricultural Sciences, effective June 21.

Sylvia has been professor in the University of Florida's soil and water science department since 1993. He served as administrative intern for academic programs in the university's College of Agricultural and Life Sciences from 1996 through 1997 and was a visiting research fellow at the Biological Laboratory of the University of Kent at Canterbury, United Kingdom, in 1993. He was associate professor at the University of Florida from 1989 to 1993, assistant professor at the university from 1984 to 1989 and

research associate there from 1981 to 1984.

Sylvia's research examines the microbial ecology of the rhizosphere — particularly mycorrhizal fungi — with the goal of incorporating mycorrhizal technology into sustainable agriculture practice. He has edited three books, contributed chapters for 16 others, authored 57 refereed papers and abstracts and delivered invited lectures at numerous state, national and international research symposia.

Sylvia received his bachelor's degree in forestry from the University of Massachusetts in 1975 and a master's degree in plant pathology from the same institution in 1977. He earned his doctorate in plant pathology from Cornell University in 1981.



PHOTOS
BY GREG GRIECO



The columns and scrollwork at the entrance to the Carnegie Building, above left, are constructed from terra cotta. It is the only building on campus with a terra cotta exterior, according to Scott Wing, associate professor of architecture. Above right, a row of palmettos and lion gargoyles glower from Sparks Building. The figures on the limestone carving from Borland Laboratory, at right, denote agricultural bounty and progress.

Architecture

Continued from page 1

architecture. The architectural style dominated buildings constructed from the '20s through the '40s in the heart of the University Park campus.

Look up on a stroll around the campus. Stately urns flank the entrances to Sackett, Sparks, Henderson and Burrowes buildings. Henderson has exquisitely ornate Corinthian columns. Grecian fretwork runs along the base of Pattee Library.

Some of these architectural details have symbolic meaning. "So many kind of refer to what is taking place inside," said Craig Zabel, associate professor of art history. "You see a lot of keystones on these buildings above windows. We're the Keystone State. I think that might have been conscious choice."

Look at a rondel on the Agricultural Engineering Building. A plow is carved over three cornstalks on a circular limestone shield. "This is the classic charge of a land grant institution in modernization," Wing said. The corn represents nature's yield and the plow represents scientific progress.

One of the most obvious is the cattle carving on Borland lab, home of the Creamery. The play of sun and shadow sweep across the images bringing them into sharp relief, but unless a person looks up, it's not readily apparent. "So much architecture goes past our eyes and doesn't register," Wing observed. "People will walk past Borland every day and maybe only 5 percent will be able to say they recognize the cow frieze from over the door."

The bas relief sculptures that flank the entrance to Pattee Library are harder to miss. Wing called the building, constructed in the '30s, a period classic with its columns and fret-

work. The female figure on the left, with her lamp and globe, represents the arts and literature. The male figure on the right represents science.

Architects used pattern books picking and choosing from various elements of classical Greek architecture to ornament structures. Wing termed it "eclectic classicism" noting "there's no consistency."

At the time this construction was being done, "the importance of the building could be identified by the general public by the ornamentation," Wing said. "An educated person in history and the classics could follow the historical allegory typically present in the ornamentation of a building — and not just the educated. The ornamentation of Gothic cathedrals visually tells the biblical stories to the illiterate."

Charles Z. Klauder's Philadelphia architecture firm is responsible for the Revival buildings on campus. Around 1913, Klauder's firm put together a building plan for the campus, taking into consideration outdoor spaces and grouping buildings by use. All told, the firm was responsible for 33 buildings in central campus. University Park is historically significant from an architect's point of view because this is only campus that Klauder constructed in the Revival style. Klauder's plan for a homogenous, unified architectural style broke down after World War II, Wing said.

"Buildings after World War II were being placed into space as opposed to supporting it," he said. "The campus in general went through a period where space and utility were questioned. Ornamentation was unimportant. The objective was supplying space for growing programs."

It has been about 60 years since the last Klauder building was constructed, but the architect's influence lives on. The recently completed Joab Thomas classroom building is reminiscent of Klauder's work. Although devoid of classical ornamentation, the brick and limestone construction, the rhythm of openings, brick piers and entrance locations all call to mind the architect's later work, Wing said.

However, the time when a building's ornamentation told a story is a relic of the past.

"Today, most people are not educated in history or classics to make sense of the ornament, or simply not visually literate to take the time to look at architecture as a conveyor of meaning," Wing said. "For most people, architecture has a primarily functional set of requirements in supporting the activities of the folks housed within. It is rarely called upon today to elevate the soul, to communicate the collective ideas and aspirations of a wider community."

These days, the Office of Physical Plant keeps University Park's Revival heritage intact. Rain, acid rain, snow, sleet and the yearly freeze-and-thaw cycles cause deterioration, according to Al Adams, project coordinator. Small repairs may only require an application of soft epoxy, but larger problems may require cutting a chunk of matching limestone as a replacement.

"They weather pretty well," he said. "The big thing is keeping the joints of the stones pointed, caulked or whatever is appropriate for the application."

Julie A. Brink can be reached at jab81@psu.edu.



The ornate Corinthian columns outside the photo, likely were copied from a pattern fretwork, above, runs around the entrance. These ornaments are inspired by ancient Greek buildings.



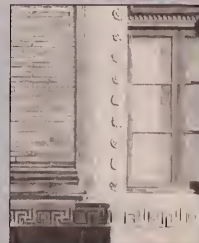
The limestone sculptures of a man and woman that decorate the front of Pattee Library have specific symbolism. The woman on the left represents arts and literature, while the male figure on the right, represents the sciences, according to Scott Wing, associate professor of architecture.

Class assignment

The wealth of architectural detail on the University Park campus does not go unnoticed by students.

In "Materials and Constructions," associate professor of architecture Scott Wing teaches the technical aspects of buildings by having students look closely at how nature and culture have left their imprint on buildings. Sun, shade, deterioration from water, reflections, shadows of vegetation are all natural imprints. Cultural imprints are the building has been used and changed.

Wing takes the students around campus to sketch details. Some of the student sketches were printed on notecards used as gifts to donors by the College of Arts and Architecture.



erson Building, top
ok, The Grecian
of Pattee Library. At
parks Building. All of
ral details from



The cattle above the doors at Borland Lab are a reminder that the building is home to dairy products.



University Park Calendar

June 21 - August 29

SPECIAL EVENTS

Friday, June 21

"American Drawings and Watercolors: Selections from the Permanent Collection," gallery talk by Patrick McGrady, noon, Christoffers Lobby, Palmer Museum of Art.

"Bullshot Crummond," opening night 8 p.m. June 21; 8 p.m. June 22, 28 and 29; 7:30 p.m. June 24, 25, 26 and 27; 2 p.m. June 29; The Playhouse. For tickets, call (814) 863-0255.

Saturday, June 22

"Drop-In" gallery talk, Tonkin Gallery of Asian and African Art, 2 p.m., Palmer Museum of Art.

Saturday, June 29

"Drop-In" gallery talk, Snowiss Gallery of American Art, 2 p.m., Palmer Museum of Art.

Wednesday, July 3

"Tools as Art," story time for ages 3-6, 10:15 a.m. Wednesdays, through Aug. 21.

Friday, July 5

"Tools as Art: The Hechinger Collection," gallery talk by Joyce Robinson, noon, Christoffers Lobby, Palmer Museum of Art.

Saturday, July 6

"Drop-In" gallery talk, Pincus Gallery of Contemporary Art, 2 p.m., Palmer Museum of Art.

Saturday, July 13

"Drop-In" gallery talk, Contemporary Ceramics Gallery, 2 p.m., Palmer Museum of Art.

Friday, July 19

"American Drawings and Watercolors: Selections from the Permanent Collection," gallery talk by Patrick McGrady, noon, Christoffers Lobby, Palmer Museum of Art.

Saturday, July 20

"Drop-In" gallery talk, Ancient to 16th-Century Art Gallery, 2 p.m., Palmer Museum of Art.

Friday, July 26

"Devotion and Diversity: South Asian Sculpture from the Philadelphia Museum of Art," gallery talk by Dana Carlisle Kletchka, noon, Christoffers Lobby, Palmer Museum of Art.

Friday, August 2

"Tools as Art: The Hechinger Collection," gallery talk by Joyce Robinson, noon, Christoffers Lobby, Palmer Museum of Art.

Saturday, August 3

"Drop-In" gallery talk, Baroque Art Gallery, 2 p.m., Palmer Museum of Art.

Friday, August 9

"Devotion and Diversity: South Asian Sculpture from the Philadelphia Museum of Art," gallery talk by Dana Carlisle Kletchka, noon, Christoffers Lobby, Palmer Museum of Art.

Saturday, August 10

"Drop-In" gallery talk, Tonkin Gallery of Asian and African Art, 2 p.m., Palmer Museum of Art.

Saturday, August 17

"Drop-In" gallery talk, Snowiss Gallery of American Art, 2 p.m., Palmer Museum of Art.

MUSIC

Saturday, June 29

Festival Orchestra Concert, 7:30 p.m. June 29, July 6 and July 10, Eisenhower Auditorium. For tickets, call (814) 863-0255.

Sunday, June 30

Chamber Music Concert, 3 p.m. June 30 and July 7; 7:30 p.m. July 5, 11 and 12; Esber Recital Hall, Music I. For tickets, call (814) 863-0255.

Orchestra, July 13

Festival Orchestra Concert, featuring the Ballet Theatre of Central Pennsylvania, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Wednesday, July 17

"Dames at Sea," previews 7:30 p.m. July 17 and 18; opening night 8 p.m. July 19; 8 p.m. July 20, 26, 27 and Aug. 2 and 3; 7:30 p.m. July 24, 25, 31 and Aug. 1; 2 p.m. July 27 and Aug. 3; The Playhouse. For tickets, call (814) 863-0255.

Monday, August 5

"Musica Nova," 8 p.m., Esber Recital Hall, Music I.



"Bullshot Crummond," featuring, from left to right, Dan Bright as Otto Von Bruno, Gregory Funaro as Hugh "Bullshot" Crummond and Megan Thomas as Lenya Von Bruno, runs through June 29 at The Playhouse on the University Park campus. For specific times and dates, see the information in the calendar to the left. For tickets, call (814) 863-0255.

Photo: Greg Grieco

ARTS & ENTERTAINMENT

Drama camps

MetaStages, a program of the School of Theatre, will hold one-week summer drama camps at the Pavilion Theatre on the University Park campus.

Summer drama camps, for ages 9 through 18, are divided into separate age groups. All students receive training in acting, mime, movement, improvisation, voice, arts workshop

and culminate with a performance. Classes are taught by professional faculty.

Four one-week camps will be held daily from 10 a.m. to 4 p.m. July 22 to 26, July 29 to Aug. 2, Aug. 5 to 9 and Aug. 12 to 16. Camps are nonresident.

For information, call Joann Leonard, MetaStages director, at (814) 867-8390.

SEMINARS

Thursday, June 27

"Teaching and Learning at Penn State: A Student Perspective," video, 4 p.m. June 27, 3 p.m. July 11, 101 Pattee.

Thursday, July 11

"Ken Butler's Hybrid Visions," 7 p.m., Lipson Auditorium, Palmer Museum of Art.

EXHIBITS

HUB-Robeson Center

"Decade 2: 1982-2002," multi-media exhibit by State College Area School District alumni, through July 25.

Palmer Museum of Art

"American Drawings and Watercolors: Selections from the Permanent Collection," through Aug. 18.

"Tools as Art: The Hechinger Collection," July 2 through Aug. 25.

Pattee and Paterno Library exhibit areas

"Distinguished People with Disabilities" and "Just As I Am: Americans with Disabilities," through Oct. 31.

"Cases of Character: Selections from Photographic Case Art in the 8. and H. Henrich Photo-History Collection," through July 31.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>. For a detailed listing of upcoming Conference and Institutes' conferences, visit the Web at <http://www.outreach.psu.edu/conferences.html>.



Academic Promotions

Effective July 1

Following are University-wide faculty promotions.

TO PROFESSOR

James H. Adair, materials science and engineering
Robert G. Atnip, surgery and radiology, College of Medicine
O. Richard Bundy Jr., music education
Charles E. Chambers, medicine and radiology, College of Medicine
Liming Chang, mechanical engineering
Long-Qing Chen, materials science and engineering
Michael J. Chorney, microbiology and immunology, College of Medicine
Robert E. Cilley, surgery and pediatrics, College of Medicine
Timothy J. Craig, medicine and pediatrics, College of Medicine
William R. Davidson Jr., medicine, College of Medicine
David M. Day, psychology
Ross M. Decker, surgery, College of Medicine
Edward C. DeMetter, industrial engineering
Renata S. Engel, engineering
John M. Field, medicine and surgery
Katherine H. Freeman, geosciences
L. Samuel Finn, physics
Mark N. Gahegan, geography
Charles D. Ghilani, engineering, Wilkes-Barre
Kevin Gleason, medicine, College of Medicine
Konstadinos G. Goulias, civil engineering
S. Blair Hedges, biology
Klaus F. Helm, medicine and pathology, College of Medicine
Steven F. Heppelmann, physics
Janis E. Jacobs, human development and family studies and psychology
Timothy W. Kelsey, agricultural economics
Andrew N. Kleit, energy, environmental and mineral economics
Gerald N. Knoppers, classics and ancient Mediterranean studies, religious studies and Jewish studies
Walter A. Kofron, surgery, College of Medicine
Barry M. Kus, theatre
El-Amine Lehtihet, industrial engineering
Jonathan P. Lynch, plant nutrition
James P. Lyon, music
Hong Ma, biology and life sciences
J. Daniel Marshall, education
Donald E. Martin, anesthesiology, College of Medicine
Craig M. Meyers, microbiology and immunology, College of Medicine

William D. Milheim, education, Great Valley
Michael G. Moore, education
J. Philip Mosley, English, comparative literature and communications, Worthington Preston
Deborah Bray Stanton, nursing
Mary H. Preuss, Spanish and comparative literature, McKeesport
Patrick G. Quinn, cellular and molecular physiology, College of Medicine
Christopher D. Rahn, mechanical engineering
Edwin G. Rajotte, entomology
Michael D. Riley, English, Berks
Anne Carver Rose, history and religious studies
Darrell G. Schlom, materials science and engineering
Timothy P. Shafer, music
Zachary Simmons, medicine, orthopedics and rehabilitation, College of Medicine
J. Tomas Sjöström, economics
Shao-Cong Sun, microbiology and immunology, College of Medicine
Sergei Tabachnikov, mathematics
Steven K. Thompson, statistics
Joan S. Thomson, agricultural communications
Susan E. Trolter-McKinstry, ceramic science and engineering
Chao-Cong Sun, mechanical engineering
Ping Xu, mathematics
Lakshman S. Yapa, geography
Robert A. Yarbcr Jr., art
John J. Zurlo, medicine, College of Medicine

TO ASSOCIATE PROFESSOR

Yaw B. Agawu-Kakraba, Spanish, Altoona
Peter H. Amett, psychology
Katherine H. Baker, environmental microbiology, Harrisburg
Albert L. Bartlett III, hotel, restaurant and institutional management
David M. Boyer, plant pathology
J. Martin Bollinger Jr., biochemistry and molecular biology
Eugene C. Boman, mathematics, DuBois
Robert H. Boneaux, microbiology and immunology, College of Medicine
Craig E. Cameron, biochemistry and molecular biology
John H. Challis, kinesiology
Marshall F. Coyle, engineering, York
Rick L. Day, soil science and environmental information systems
Michael A. Doncheski, physics, Mont Alto
Richard B. Englund, engineering, Erie
Garrett G. Fagan, classics, ancient Mediterranean studies and history
Cary F. Fraser, African and African-American studies, and history
Robert A. Gabby, medicine, College of Medicine
Shaun L. Gabbidon, criminal justice, Harrisburg
Michael J. Green, humanities, College of Medicine
Jennifer L. Hillman, psychology, Berks
Patreece D. Ingram, agricultural and extension education
Joseph M. K. Irudayaraj, agricultural engineering
Bhushan M. Jayarao, veterinary science
Rukmalie Jayakumar, human development and family studies and demography
Gregory S. Jenkins, meteorology
Michael Katzman, medicine, College of Medicine
Valarie E. King, sociology, demography, and human development and family studies
John H. Knox, law, The Dickinson School of Law
Janelle M. Larson, agricultural economics, Berks
Anthony T. Leach, music
Thomas R. Liszka, English, Altoona
Chun Liu, mathematics
Albert Lozano-Nieto, engineering, Wilkes-Barre
Arnold A. Markley, English, Delaware County
Janette M. McAllister, cellular and molecular physiology, College of Medicine
Diane K. McLaughlin, rural sociology
G. Steven McMillan, business, Abington
Judd H. Michael, wood products business management
Susan Mohammed, psychology
Mark S. Morrison, English
Sanjiv H. Naidu, orthopedics and rehabilitation, College of Medicine
Lawrence R. Newcomer, engineering and computer science, York
Michelle G. Newman, psychology
Andrew A. Nyblade, geosciences
Anthony A. Orunolunso, communications
Sandra H. Petrolunski, English, Altoona
Mary Beth Pinto, marketing, Erie
Denise Potoczki, management and organization, Great Valley
Vittaldas V. Prabhu, industrial engineering

Charles G. Prettyman III, English, Fayette
Thomas R. Riley III, medicine, College of Medicine
J. Ford Risley, journalism
Adam W. Rame, history
Janina M. Sofron, history
Donna Weaver Santaniello, philosophy, Berks
Thomas A. Seybert, engineering, Wilkes-Barre
Ivan A. Shibley Jr., chemistry, Berks
Peter J. Shull, engineering, Altoona
Gregory J. Smits, history
Shannon W. Sullivan, philosophy and women's studies
Bonj Szczygiel, landscape architecture
Soledad Traverso-Rueda, Spanish, Erie
Arun Upneja, hotel, restaurant and recreation management
Michael D. Welner, mathematics, Altoona
Nancy A. Welsh, law, The Dickinson School of Law
Kenneth A. Womack, English, Altoona
Richard R. Young, business logistics, Lehigh Valley
Ronald L. Ziger, educational psychology, Abington

TO SENIOR RESEARCH ASSOCIATE

Richard R. Brooks, Applied Research Laboratory
Timothy A. Brungart, Applied Research Laboratory
Robert F. Kunz, Applied Research Laboratory

TO SENIOR EXTENSION AGENT

Charles H. Allen, Jefferson County
James A. Clark, McKean County
Norman G. Conrad, Union County
George R. Hurd, Franklin County
Jane A. Landis, Dauphin County
Winifred W. McGee, Lebanon County
Mary P. Miller, Montgomery County
David J. Suchanick, Montgomery County
Christine A. Tomascik, Luzerne County

TO EXTENSION AGENT

John W. Berry, Lehigh County
Nancy F. Bosold, Berks County
Ryan L. Hockensmith, Lawrence County
Joel M. Hunter, Crawford County
Toni M. Stuetz, Chester County

TO ASSOCIATE EXTENSION AGENT

Michael J. Harteis, Cambria County

The scoop: Creamery remains No. 1 with visitors

By GARY ABDULLAH
College of Agricultural Science

It's not hard to convince campus visitors that the Penn State Creamery is a much-beloved landmark for the Nittany faithful. Even before they experience the famous freshness and quality of its ice creams, sherbets and cottage cheeses, they're usually persuaded by long lines of proof — busloads of school kids and nostalgic alumni.

But, the Creamery is more than an ice cream parlor. Part store, part laboratory, part alumni touchstone, the humble 1960s styling of the salesroom faces a century of University tradition. It also marks the fact that, when it comes to colleges and ice cream, Penn State really is No. 1.

"We are the biggest by far when it comes to university-based creameries," said creamery manager Thomas Palchak. There are several other good operations — Washington State, Wisconsin and North Carolina State — but there is a significant difference in scale between them and Penn State. North Carolina State University, for instance, produces about 200 gallons of ice cream each week; we produce 5,000 to

8,000 gallons per week and about 225,000 gallons of ice cream, frozen sherbet and yogurt each year, with ice cream being 90 percent of that. We're hand-dipping about 750,000 ice cream cones a year in that little tiny store."

The Creamery's story started in 1895, when the State College Creamery supplied fresh milk and churned butter to University presidents and faculty families via horse-drawn wagons. Palchak said the University's turn-of-the-century college dairy operations were part of a larger commitment to the state's fledgling dairy industry. "At one point, most of the ag schools — and even service academies like the Naval Academy — had a dairy plant," he said.

But, technological innovation in the '50s pushed many colleges to phase out their dairy plants, and the '70s brought the growth of processed-food industries and the creation of food science departments. Universities faced with a burgeoning, multi-faceted food industry could no longer afford to favor dairy manufacturing. Industry consolidation meant college dairy plants couldn't compete against large regional dairies.

From more than 50 college dairies nationwide, Palchak estimated that fewer than 10 remain, mostly student-run.



The blue and white umbrella tables see a lot of Creamery business in the summer as customers relax with a cone.

Photo: Greg Glesco

With 21 full-time employees, strong industry ties and fierce devotion from students and alumni, he describes the Penn State Creamery as "a rare gem in university creamer circles."

Commonwealth College seeks Royer Center director

The Commonwealth College is seeking nominations and applications for the position of director of the Royer Center.

The mission of the center is to work collaboratively between the 12 campuses of the Commonwealth College and within the University to promote and foster high-quality, student-centered teaching and learning. The Royer Center provides leadership within the college for innovative faculty development programs to support active and collaborative learning, student-centered discussions, the use of technology in instruction, cross-campus collaboration in instruction, pedagogical research and undergraduate research. Programs assist both individual faculty and groups of faculty. This position reports to the associate dean for faculty and research.

The preferred qualifications are a doctorate with a record of innovative classroom teaching and administrative experience in higher education. Experience with distance education and online learning, the development of instructional Web sites and electronic portfolios, cultural diversity, adult learners and a demonstrated record of success in grant seeking are highly desirable. The minimum requirements are a master's

degree with five years of full-time teaching experience in higher education or in an equivalent environment; five years of administrative experience in a complex organization; demonstrated experience in instructional design and the use of instructional technology; and knowledge of teaching and learning theories.

The successful candidate must demonstrate excellent oral, written and interpersonal communications skills, and the ability to create and lead synergistic teams using group facilitation and change management skills. Periodic travel to the campuses is required.

Applicants should send a cover letter, resume and the names, addresses, telephone numbers and e-mail addresses of three references to Sandra E. Gleason, associate dean for faculty and research, Box INT, 111 Old Main, University Park, Pa. 16802.

Information also will be accepted by e-mail at cwchr@psu.edu. Application reviews will begin July 22 and will continue until a suitable candidate is found.

More information about this position and the Commonwealth College is available on the Web at <http://cwchome.psu.edu>.

Researcher selected for thyroid advisory panel

Laurence Demers, distinguished professor of pathology and medicine in the College of Medicine, is one of nine medical experts selected by the National Academy of Sciences, Institute of Medicine, to serve on a national advisory panel on thyroid screening.

Convening in July, the panel of physicians, scientists and public health experts will advise the Centers for Medicare and Medicaid Services about whether to add coverage of routine thyroid screening as a benefit for those on Medicare. The panel also will explore the short- and long-term

advantages and disadvantages as well as the costs of the screenings. Demers is the only committee member from Pennsylvania.

Demers is associate director of the Section of Clinical Pathology and director of Clinical Chemistry and the Automated Testing Laboratory at Milton S. Hershey Medical Center. As director of the Core Endocrine Laboratory in the Division of Endocrinology, Demers develops and evaluates methods to optimize accuracy and cost effectiveness of endocrine tests. His current research efforts are directed at breast cancer and metabolic bone disease.

5 are appointed to CIC positions of leadership

The Committee on Institutional Cooperation's Academic Leadership Program has gained five additional Fellows from the Penn State ranks.

The CIC is the academic consortium of the Big Ten universities plus the University of Chicago. Through its leadership program, participants who have demonstrated exceptional ability and administrative promise are added in further developing their leadership and managerial skills. Those selected from Penn State for the 2002-03 Academic Leadership Program have been chosen because of their past contributions and potential to undertake key leadership responsibilities at the University.

Participants for 2002-2003 are:

■ Christopher Bise, chair-elect of the University Faculty Senate and professor in the College of Earth and Mineral Sciences;

■ Dr. Dwight Davis, associate dean for Admissions and Student Affairs, and professor of cardiology at Milton S. Hershey Medical Center.

■ Darla Lindberg, associate professor of architecture in the College of Arts and Architecture;

■ Ladislav Semali, 2002-03 Administrative Fellow in the Office of the Provost and associate professor of education in the College of Education; and

■ Gabriella Varga, distinguished professor of animal science in the College of Agricultural Sciences.

The Academic Leadership Program involves the fellows in a series of three, two-day seminars plus readings and participation in related activities on their home campuses between seminars. The program specifically is geared toward answering the challenges of academic administration at major research universities. Fellows are appointed to terms of one year and funding is provided by participating institutions.

For more information on the CIC, visit the Web at <http://www.cic.uiuc.edu/>.

Executive Programs ranked 22nd globally

The *Financial Times*' 2002 Global Executive Education Rankings' ranks Penn State Executive Programs in The Smeal College of Business Administration 22nd overall in the world, 14th among U.S. universities and in the top five among U.S. public universities.

Penn State Executive Programs also ranked 27th in the international ranking of custom programs (up from 28th in 2001), 16th in the United States and fifth among public universities. In open enrollment rankings, Executive Programs ranked 21st internationally (up from 23rd in 2001), 15th in the United States and fifth among public universities.

The rankings are compiled from the responses of executive education course

participants, corporate purchasers and a survey of business schools.

Penn State Executive Programs are now rolling out one- to two-day seminars called "Hot Topics."

The "Hot topic" seminars allow the University to bring together experts from across academia, industry and government agencies, thereby creating a customizable platform made up of thought leaders to address issues relevant to the management of corporations and government organizations.

For custom program information or open enrollment programs, visit Executive Programs online at <http://www.smeal.psu.edu/psep/index.html>. For information on upcoming "Hot Topics" visit <http://www.smeal.psu.edu/psep/hot.html>.



Focus on Research

Geneticist helps sequence poplar tree genome

By JEFF MULHOLLEN
College of Agriculture

A molecular geneticist in the College of Agricultural Sciences was instrumental in the creation of a U.S. Department of Energy-funded, ground-breaking effort to sequence the genome of the poplar tree.

"This is the most exciting event that has ever happened in the field of tree molecular genetics," said John Carlson, associate professor of molecular genetics in the School of Forest Resources.

Toby Bradshaw of the University of Washington, one of the world's foremost tree molecular geneticists, helped lay the foundation for the project through his discovery of the female cottonwood tree that was chosen for sequencing. Named "Nisqually-1," the tree has been the focus of intensive genetics and physiology studies, and is one of the most successful parent trees for hybrid poplar production.

"The genome sequence of *Populus trichocarpa* (cottonwood) is expected to lead to faster-growing trees that produce more biomass for conversion to fuels and paper," Carlson explained. "In addition, trees with unique traits may be useful in phytoremediation, a process whereby trees such as cottonwoods or hybrid poplars could be used to clean up hazardous waste sites."

Populus trees like cottonwood, hybrid poplar and aspen have emerged as model organisms in forestry for the same reasons that *Populus* was chosen as the first tree genome to sequence — rapid growth rate, small genome size and widespread use in plantation forestry and other areas of interest to the forest industry and the Department of Energy.

Cottonwoods, hybrid poplars and aspens also could play a role in improving the environment, displacing imported oil and creating domestic jobs. But, first scientists need to better understand the biology of *Populus*, for which the genome sequence will provide the blueprint.

This project builds upon the success that the department has had in mapping the human genome, a decade-long effort that is expected to lead to cures and the prevention of diseases in people. While sequencing the human genome took years, researchers at the Joint Genome Institute at the department's Oak Ridge National Laboratory in Tennessee and cooperating institutions expect to make the genetic blueprint of *Populus* available within 18 months.

"This effort will furnish scientists in this country and abroad with an unprecedented molecular 'parts list' for a tree," said Jerry Tuskan, the lead *Populus* genetics researcher in Oak Ridge National Lab's Environmental Sciences Division. "Such a list will provide the scientific community with a catalog of genes, knowledge as to what these genes do in trees and an exciting opportunity to better understand how trees grow."

Jeff Mulhollen can be reached at jm29@psu.edu.



Innovative optics leads to discovery of 3 faint stars

By BARBARA KENNEDY
Eberly College of Science

Three small, faint stars, apparently locked in the gravitational embrace of much larger and brighter companions, have been discovered with a new infrared camera with innovative optics on the 100-inch telescope at the Mount Wilson Observatory in Pasadena, Calif.

"This is the first time the historic Mount Wilson telescope has looked at the universe through this new infrared eye, and already it is making new discoveries," said Jian Ge, assistant professor of astronomy and astrophysics and leader of the research team, which also developed the infrared camera. The discoveries of the faint stars "mark the beginning of a new era in the use of the 100-inch telescope for discovering very interesting faint objects in orbit around brighter stars, such as brown dwarfs, which are neither stars nor planets," said Robert Jastrow, director of the Mount Wilson Institute.

One innovative technique that Ge and his team designed into the new infrared camera is a specially shaped mask they installed over the "pupil" of the camera's eye to allow fainter companions to be seen around bright objects. The shaped pupil mask that Ge's team used is an improvement over the circular masks that astronomers have been using to block the light from a bright star in an attempt to see a nearby fainter object, much like the appearance of the corona during a total eclipse of the sun. The shaped pupil mask is a solid light-blocking circle into which Ge and his team have cut a dozen strategically placed eye-shaped openings.

"The image resulting from the first use of the device revealed areas of greater contrast that allowed us to find one of the faint dwarf stars," Ge said. "The technique potentially improves contrast in images by more than tenfold compared to current techniques."

The dwarf stars Ge and his team discovered are less than $\frac{1}{100}$ the mass of the sun and give off a dark red glow that is dimmer than the hotter sun's yellow light. One of the stars is about 50 light years from Earth, another is about 27 light years away, and the third is at a distance of about 200 light years. Astronomers consider these stars to be nearby.

"Our initial conservative estimate is that these are little, very dark dwarf stars," said Abhijit Chakraborty, a post-doctoral scholar on Ge's team. "Their mass is only about 80 to 100 times that of Jupiter, which itself is a thousand times smaller than our sun. They have barely enough mass to burn the hydrogen in their cores and are close to the size and luminosity of less-massive, brown-dwarf objects, which don't have enough mass to ignite into stars at all."

Astronomers are in need of new techniques for imaging a dim object, such as an Earthlike planet near a bright star like the sun because, with current techniques, the star's brightness hides its dimmer nearby companions.

"This discovery demonstrates that our new techniques can help reveal dim companions of larger, brighter stars," said John H. Debes, a graduate student in Ge's lab. "These three first-light discoveries demonstrate the potential to use the Mount Wilson and similar telescopes to obtain much better images in high-contrast situations."

For images of the discoveries, go to <http://www.science.psu.edu/alert/Ge6-2002.htm>.

Barbara Kennedy can be reached at bkk1@psu.edu.



Department of Public Information
312 Old Main, University Park,
PA 16802
Phone: (814) 865-7517

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Annemarie Mountz, editor

Julie A. Brink, associate editor

Chris Koleno, editorial
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Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. This publication is available in alternate format upon request.

Volume 31

Issue 34
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Penn State goes live at the Apollo Theatre



President Graham B. Spanier answered questions posed by several prospective students and their parents at the Apollo Theatre in New York City, including Chantille Kendall, a junior at St. Vincent Ferrer High School in Manhattan, and her father Anthony Dorsey.

Photos: Melisande McCrae

Apollo

Continued from page 1

"If you want to become an astronaut, a music industry leader, an actor or a corporate CEO, Penn State has helped many other young African-American students successfully launch those dreams," Spanier said.

Since 1913, entertainers such as Billie Holiday, Duke Ellington, Sammy Davis Jr. and Bill Cosby have performed at the Apollo, making the theater an integral part of America's entertainment history.

"The Apollo Theatre is a community treasure as well as a national treasure. And it gives us great pleasure to give New Yorkers a chance to learn about Penn State in an atmosphere that holds special meaning for them," said Stephen Mitchell, who manages the University's New York recruitment office.

The New York regional recruiting office was established in the fall of 2000 and is part of a sustained effort to foster and maintain a Penn State presence in New York City.

According to Ed Escalet, director of minority admissions, the Apollo event is representative of Penn State's commitment to strengthen its ties to New York City.

"We saw an amazing chance to increase our outreach in the New York metropolitan area. By setting up a permanent office in New York, we wanted to send the message to New Yorkers that they have a



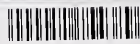
Admissions counselor Tony Moore explained the application process to event attendees at the Apollo Theatre. For more photos from the event, check the Web at <http://www.psu.edu/ur/extra/apollo/>.

Penn State contact right in their back yard."

Penn State has increased African-American student enrollment every year for the past decade, and has the second-largest minority enrollment in the state of Pennsylvania. During the past school year there were 3,571 African-American students

enrolled at Penn State, and there were almost 9,000 total minorities attending the University.

Among Big Ten institutions, Penn State's graduation rate for African-American students is the highest, and it also is the highest among all the state-related universities in Pennsylvania.



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